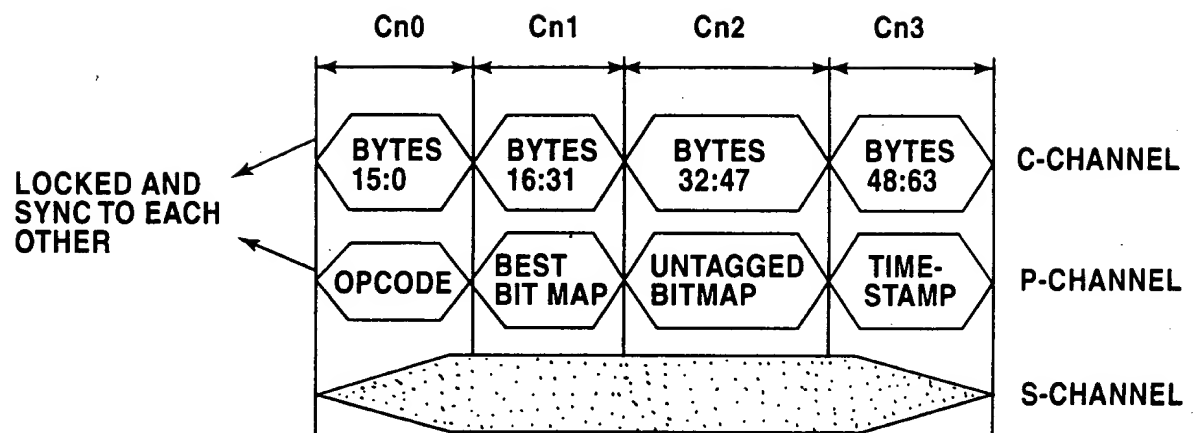


Fig.3



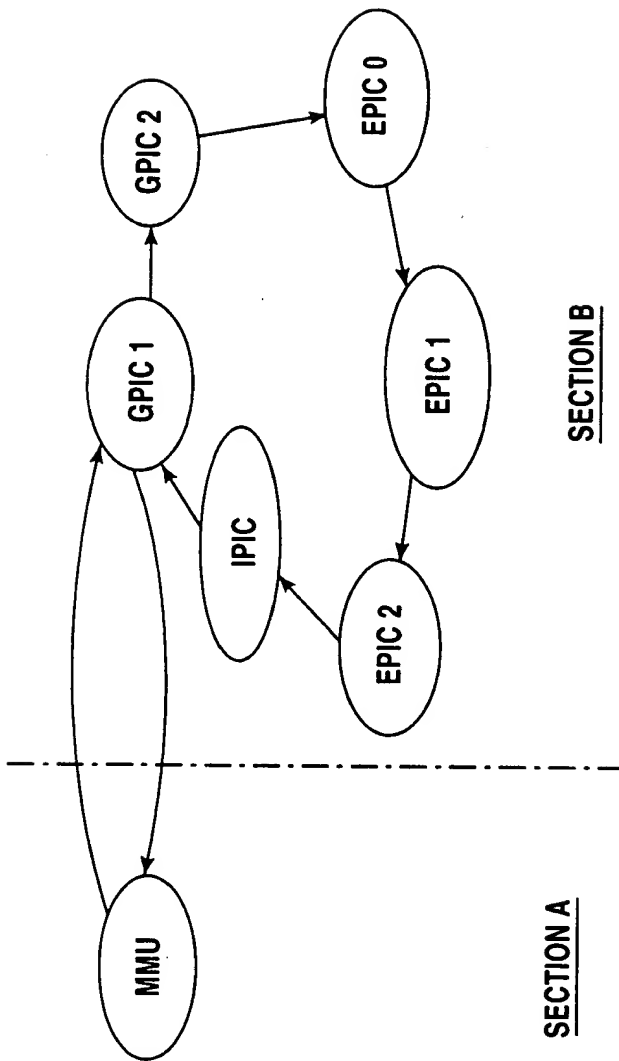


Fig. 4a

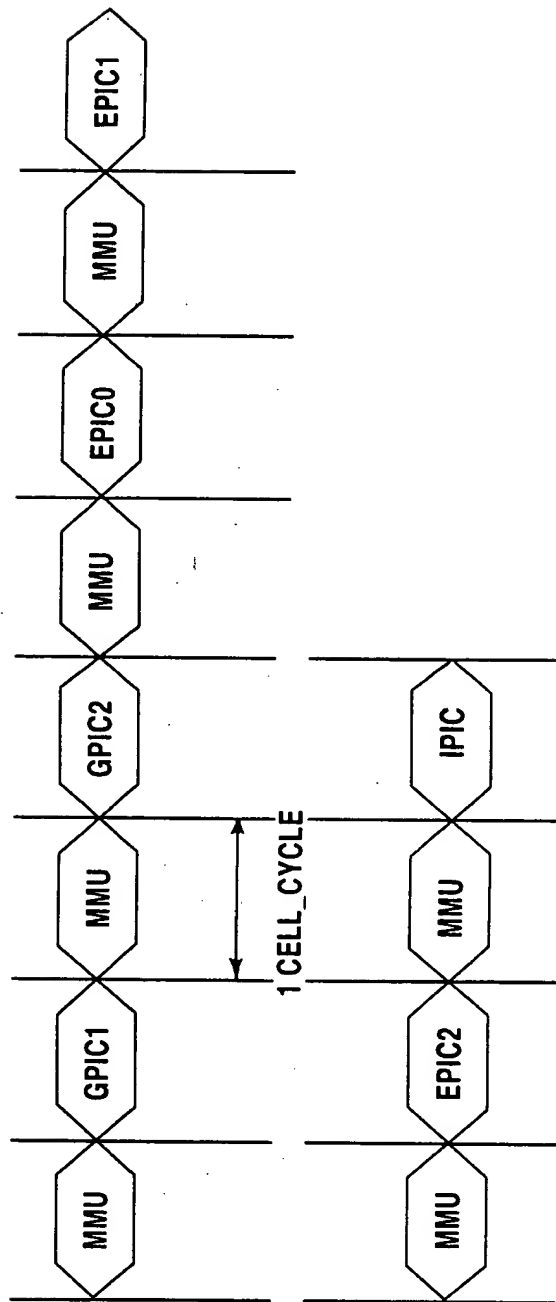


Fig. 4b

Fig.5

PROTOCOL CHANNEL MESSAGES

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
OPC ODE	IP IPX	RESE RVED	NXT CELL	SRC DEST PORT			COS		J	S	E	CRC	P	O	LEN

62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32
MODULE ID BITMAP															

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
R	Bc / Mc PORTBITMAP														

62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32		
PF M	NEW IP CHECKSUM								M	MT-MOD ID			T	TGID		MOD OPCODE	c

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
U	UNTAGGED PORTBITMAP / SRC PORT NUMBER (bit0...5)														

62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32
RSVD		MATCHED FILTER		VLAN ID						SRC PORT			REMOTE PORT		

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
CPU OPCODES									TIME STAMP						

62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32
R	L3 PORT BITMAP														

00000000000000000000000000000000

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	
OPCODE			DEST PORT / DESTINATION DEV ID			SRC PORT			DATA LEN				E	EC ODE	COS	C
ADDRESS																
DATA																

ADDRESS

DATA

09709533 4400

Fig.7
PRIOR ART

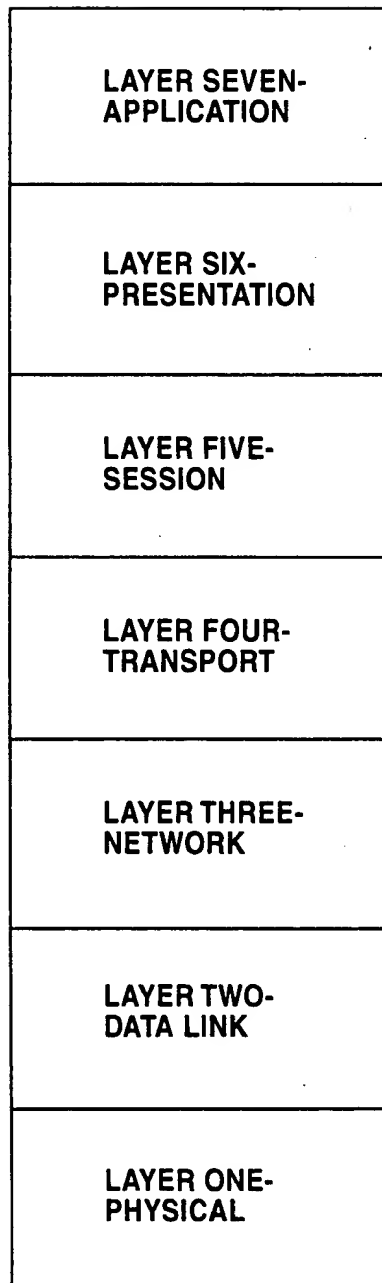


Fig. 8

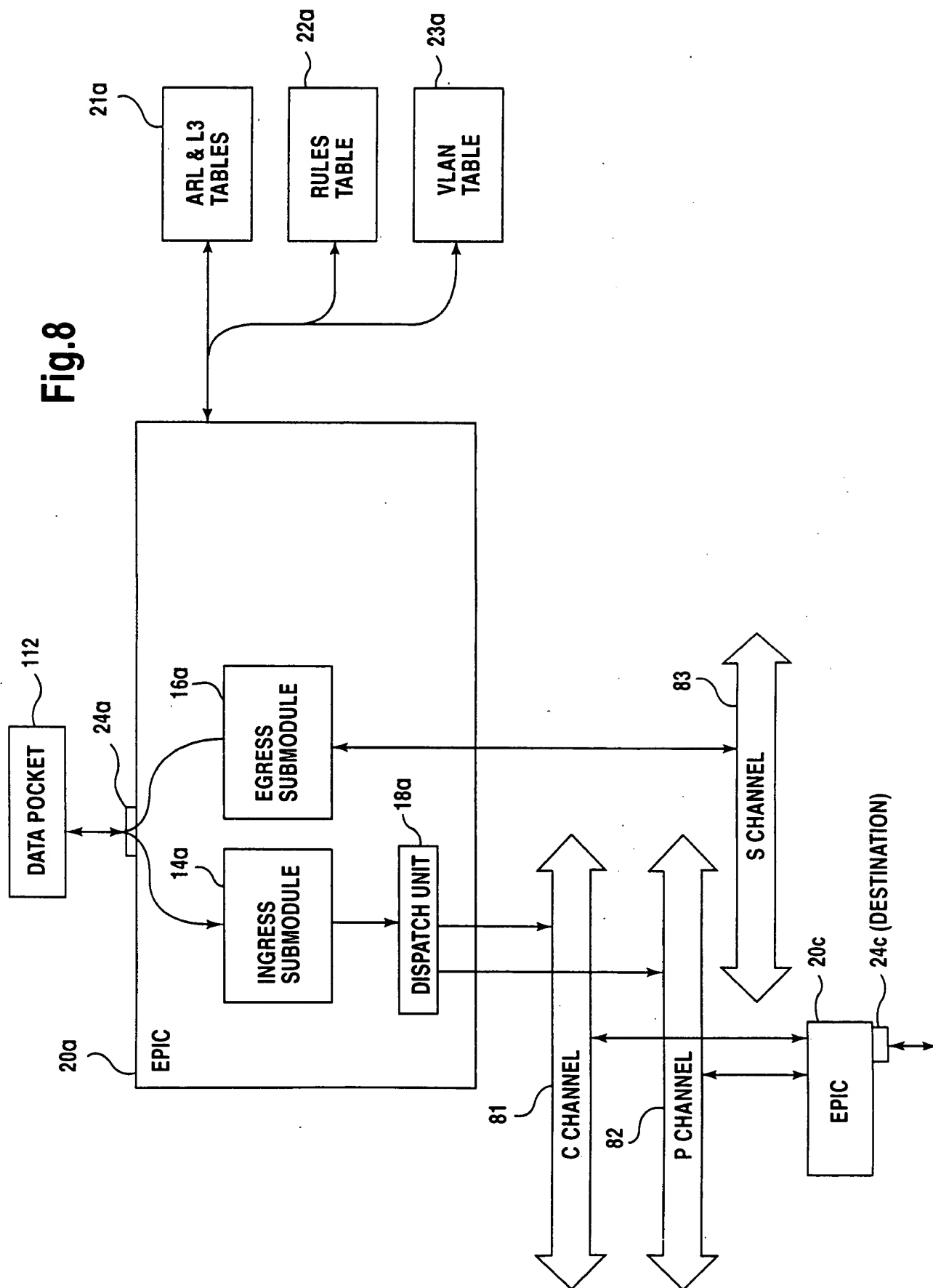
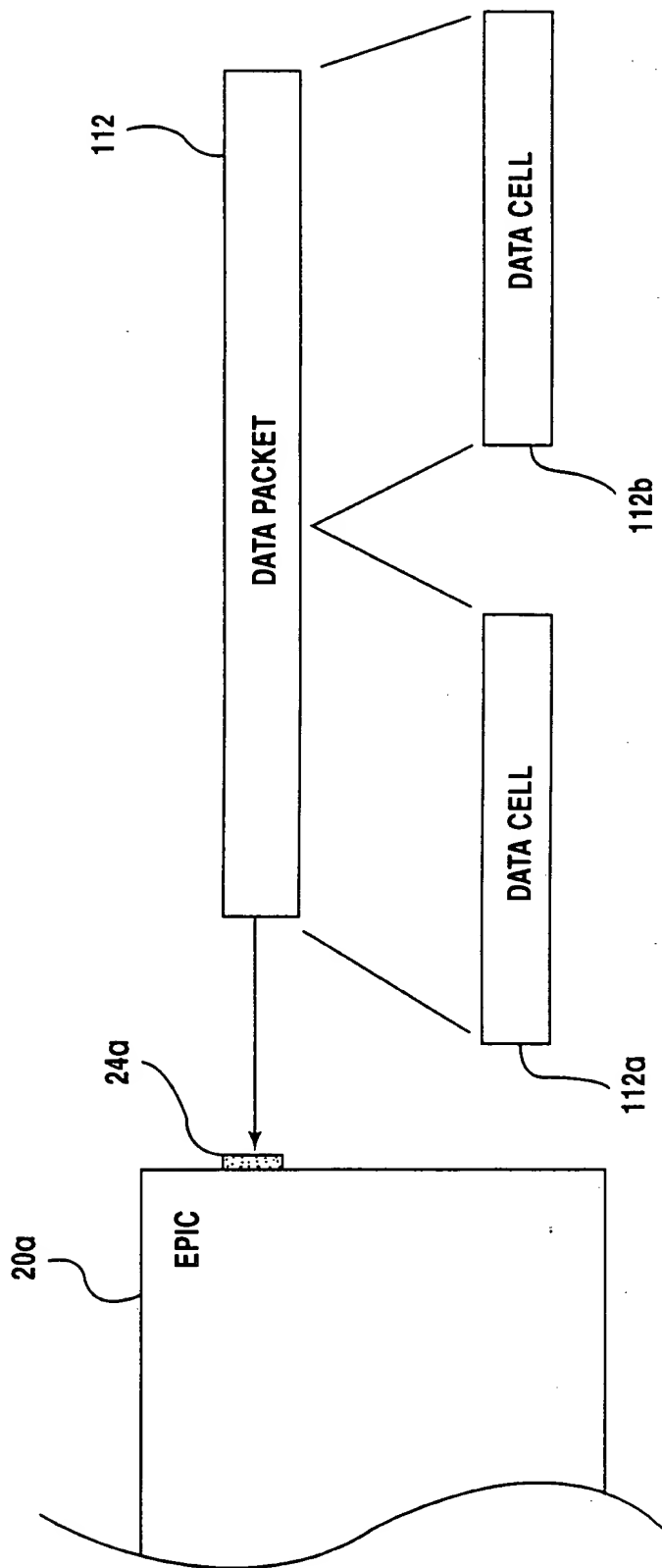


Fig.9



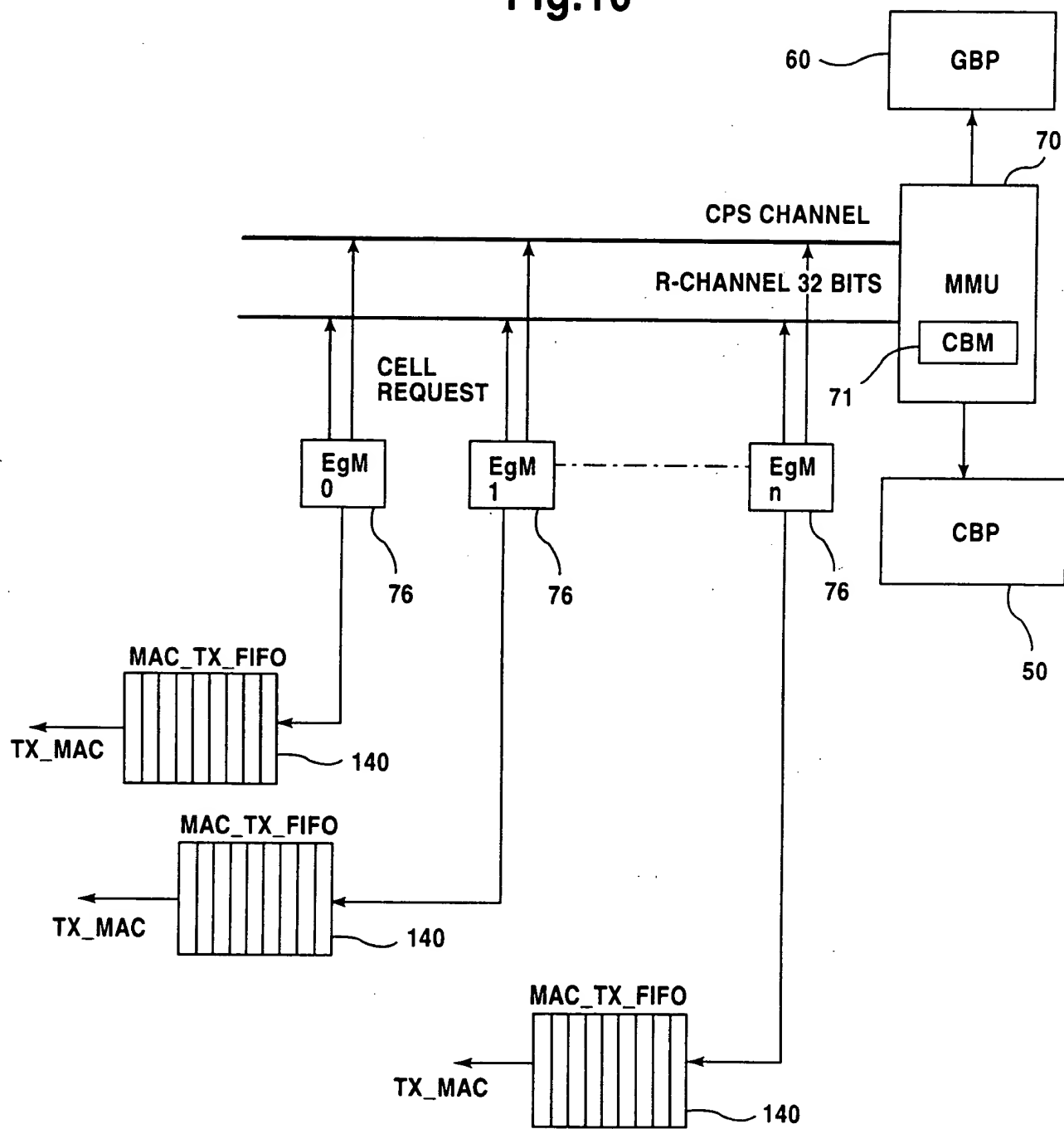


Fig.11

LINE 0 →	FC LC BC/MC Cpy_cnt (5b) Cell_length (7b) CRC (2b) NC_header (16b) Src Count (6) IPX IP Time_Stamp (14b) O bits (2b) P NextCellLen (2b) CpuOpcode (4b) Cell_data (0-9B)
LINE 1 →	Cell_data (10-27) Bytes
LINE 2 →	Cell_data (28-45) Bytes
LINE 3 →	Cell_data (46-63) Bytes

Fig.12

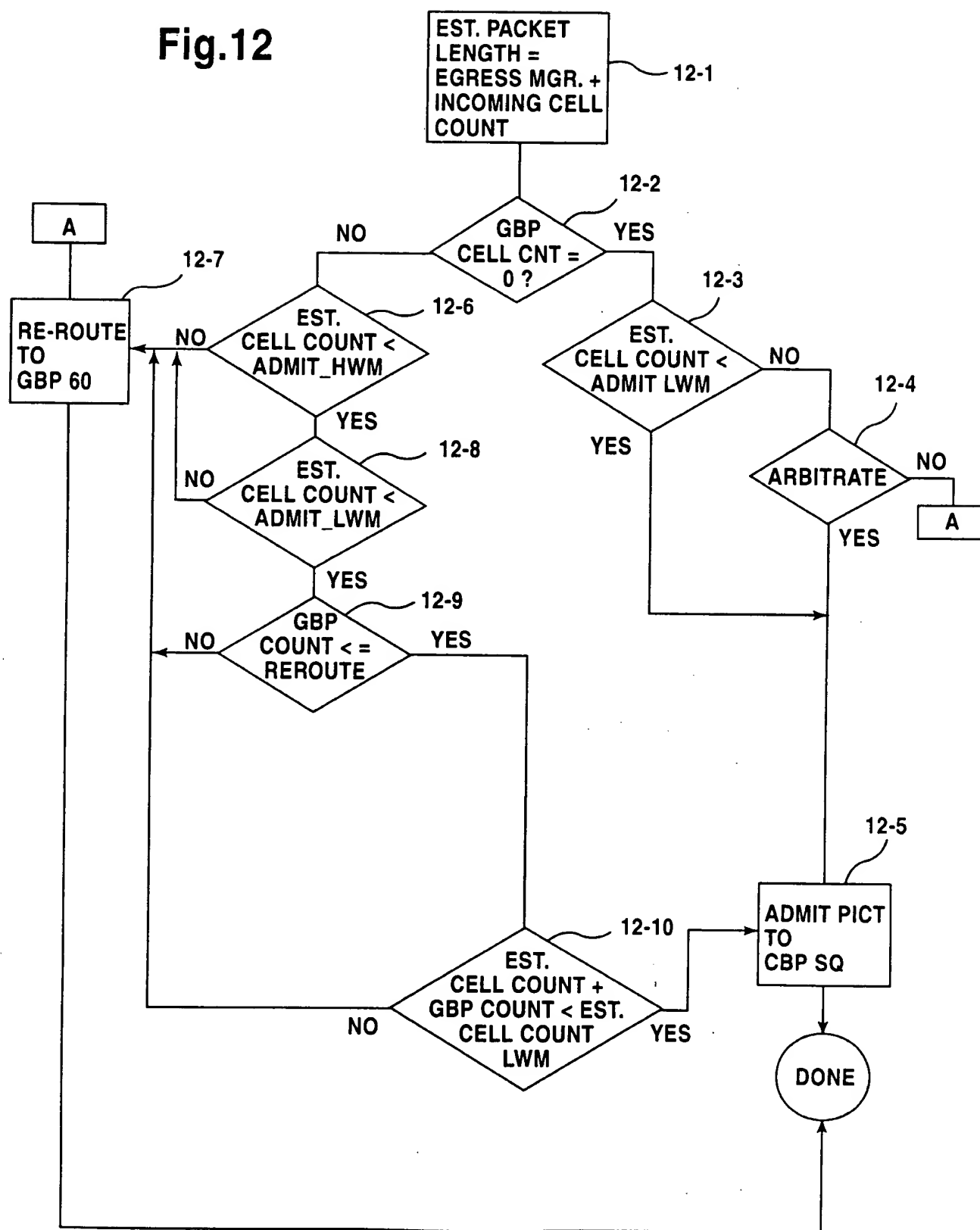


Fig.13

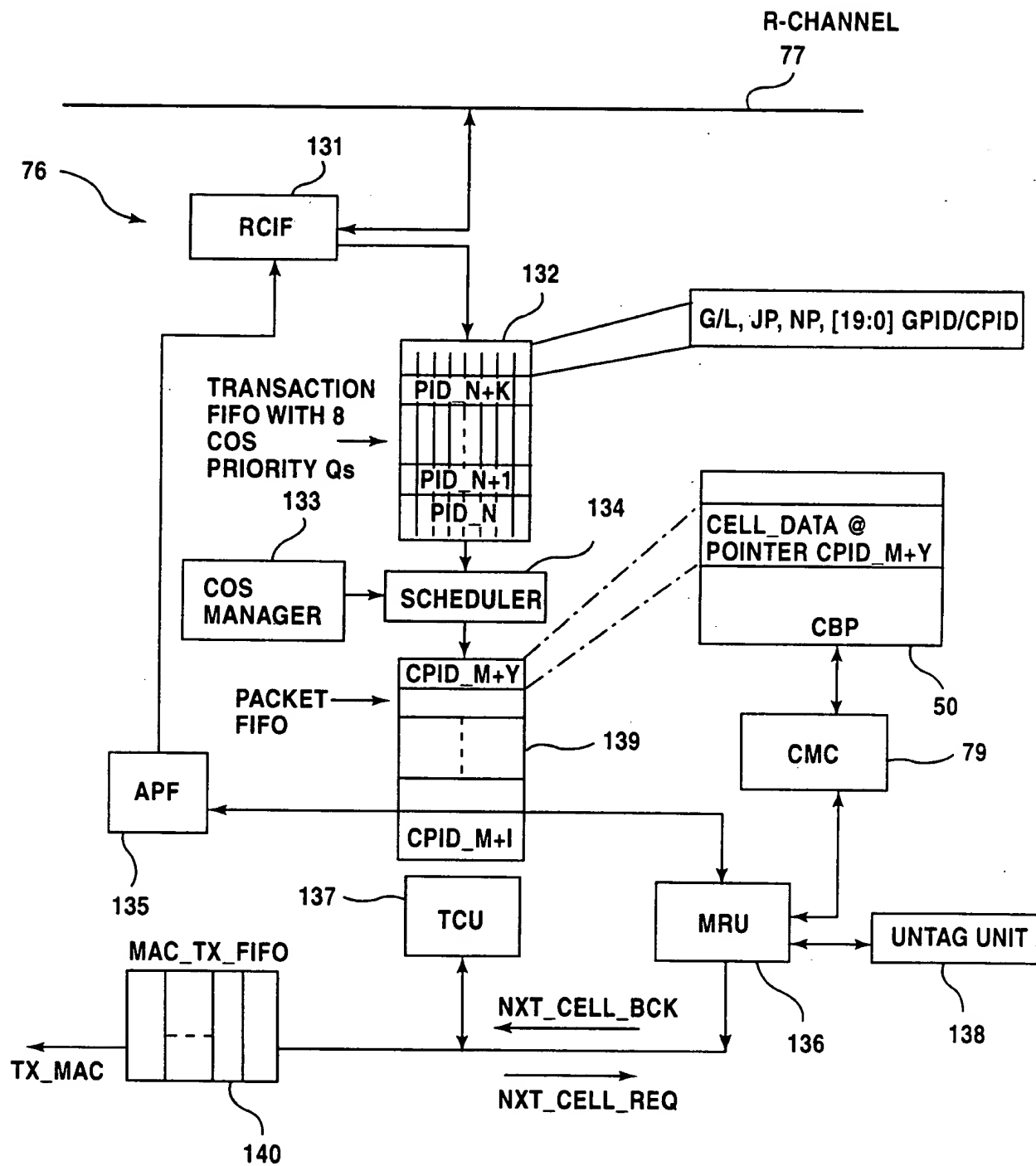
[illegible]

Fig.15

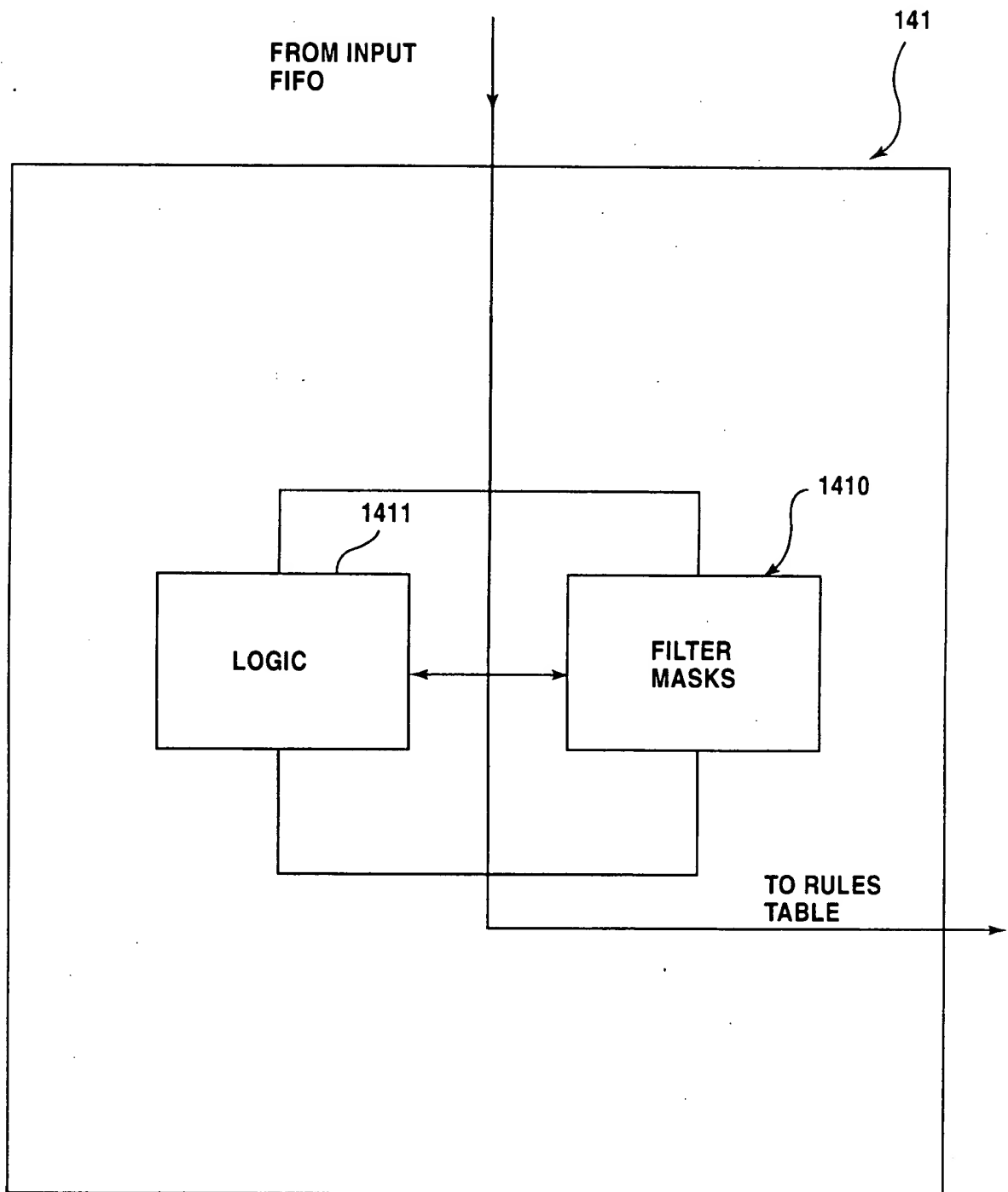


Fig.16

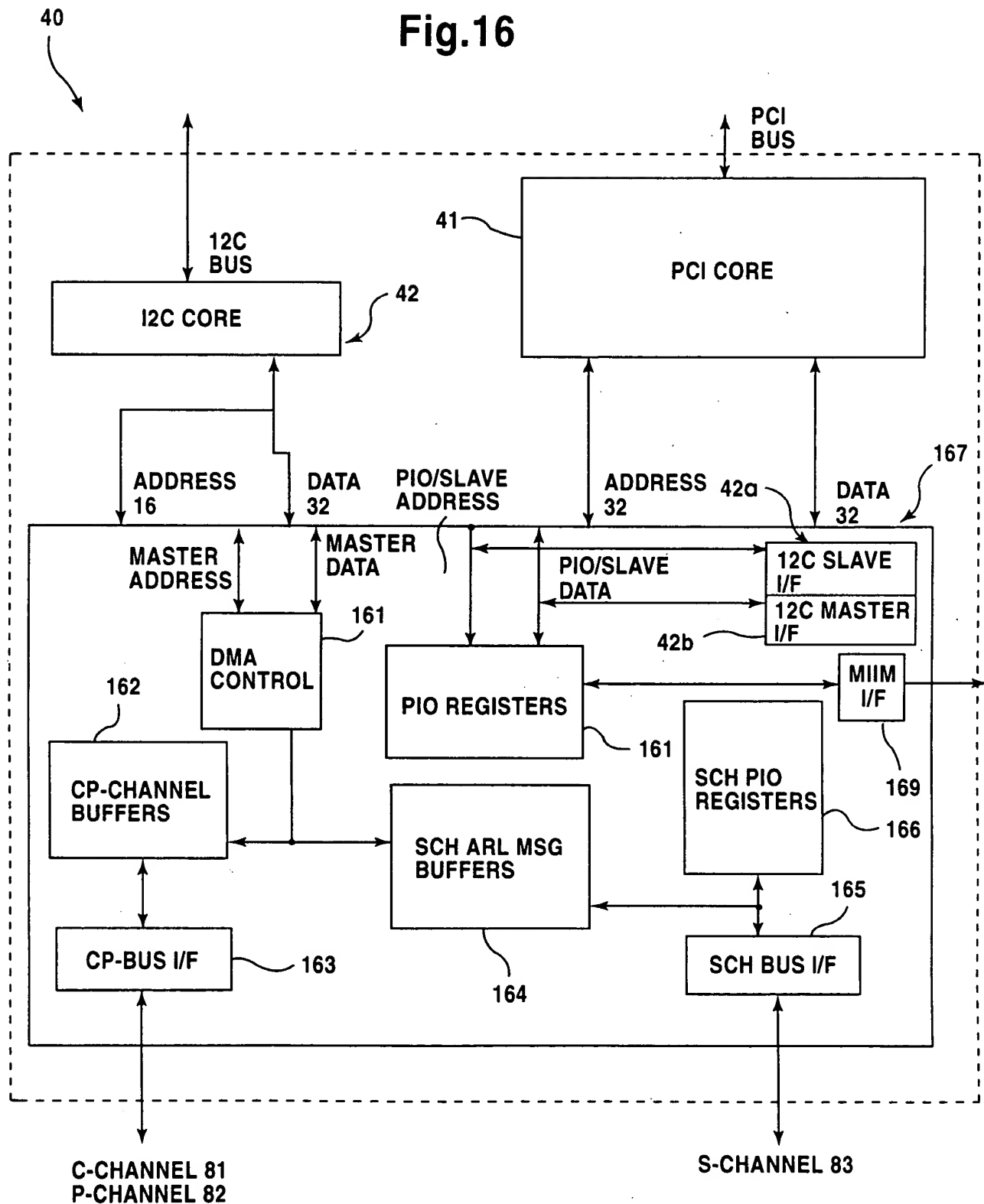
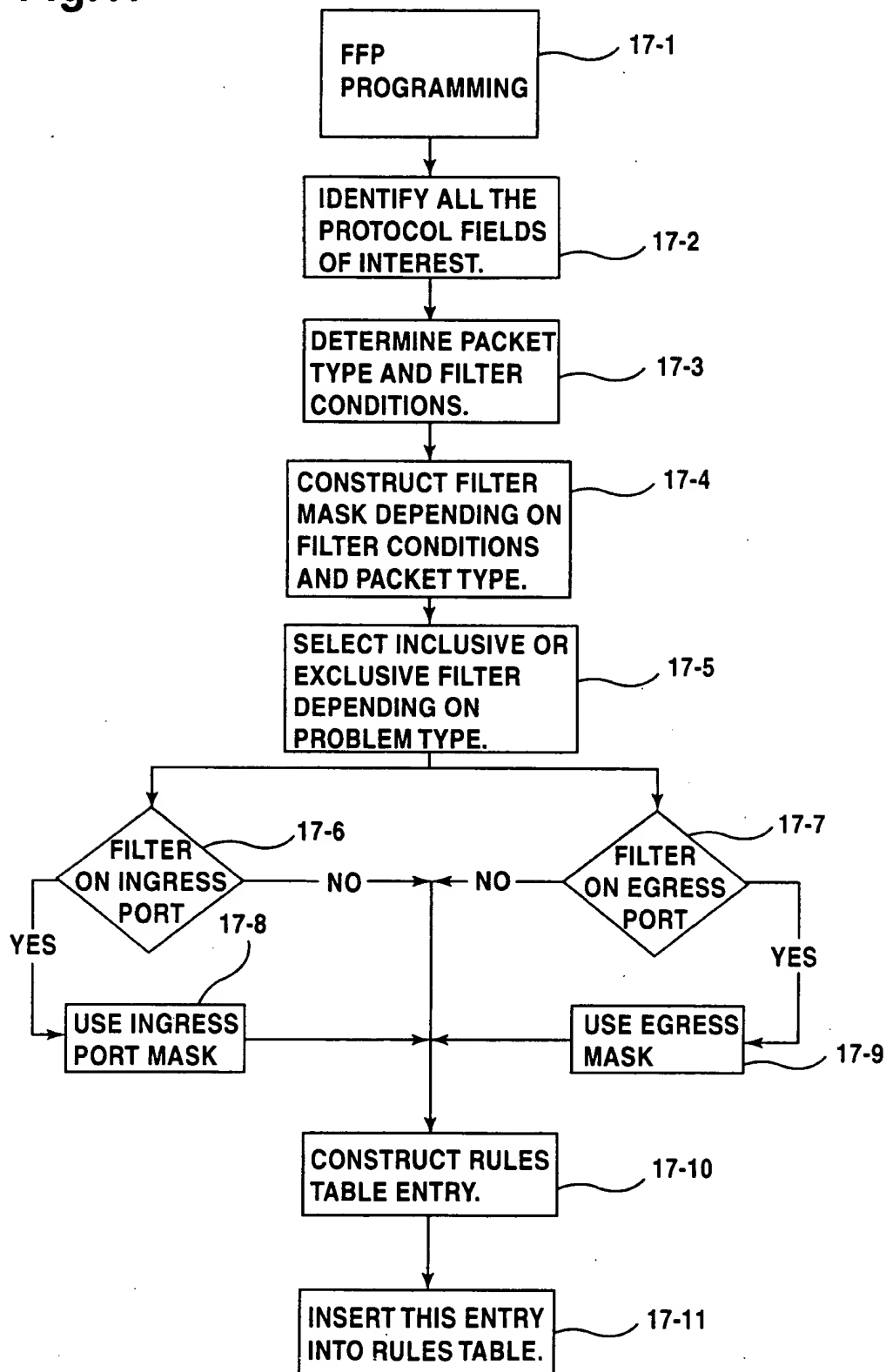


Fig.17

FFP PROGRAMMING FLOW CHART



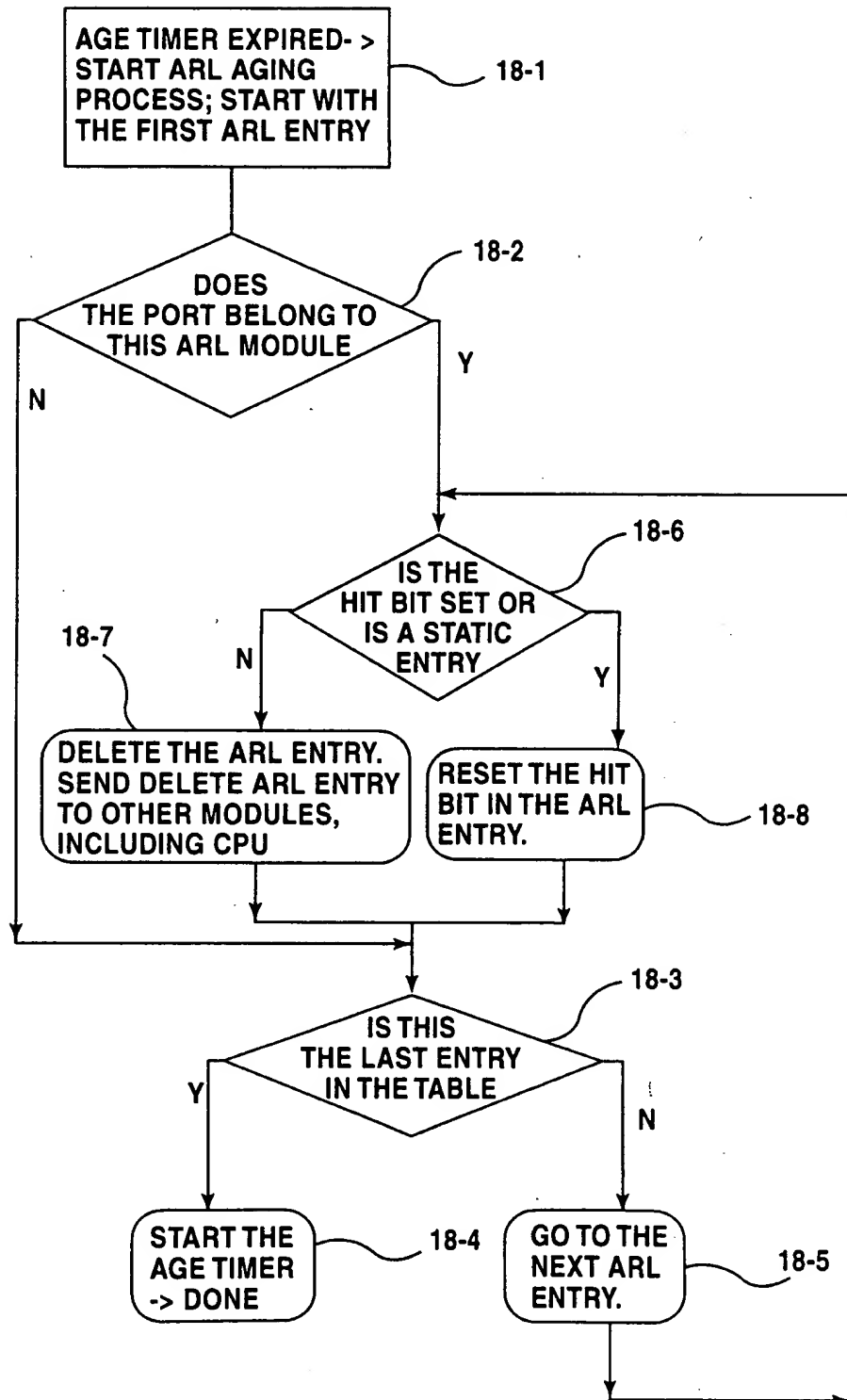


Fig.19

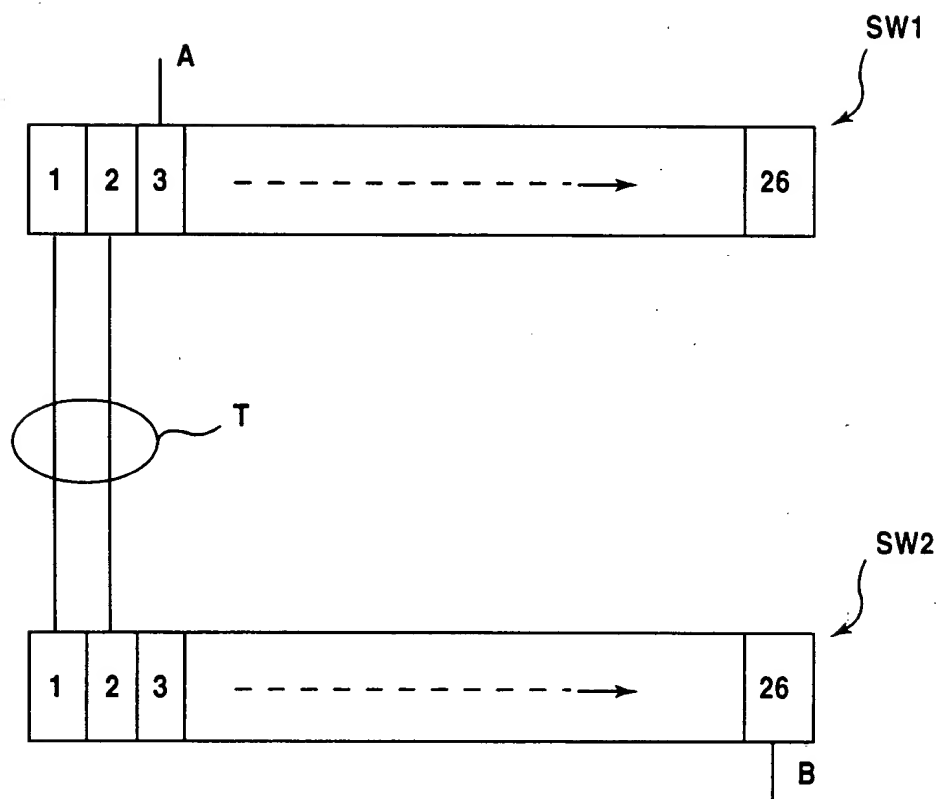


Fig.20

FIELD	HEADER	SIZE	OFFSET FOR ETHERNET II UNTAGGED	OFFSET FOR ETHERNET II TAGGED	OFFSET FOR SNAP UNTAGGED	OFFSET FOR SNAP TAGGED
DESTINATION MAC ADDRESS	MAC	6 BYTES	0	0	0	0
SOURCE MAC ADDRESS	MAC	6 BYTES	6	6	6	6
PROTOCOL TYPE	MAC	2 BYTES	12	16	20	24
DESTINATION TYPE	802.3	1 BYTE	NA	NA	14	18
SOURCE SAP	802.3	1 BYTE	NA	NA	15	19
802.1p PRIORITY	MAC	3 BITS	NA	14	NA	14
VLAN Id	MAC	12 BITS	NA	14+14b	NA	14+14b
TOS PRECEDENCE	IP	3 BITS	15	19	23	27
DIFFERENTIATED SERVICES	IP	6 BITS	15	19	23	27
SOURCE IP ADDRESS	IP	4 BYTES	26	30	34	38
DESTINATION IP ADDRESS	IP	4 BYTES	30	34	38	42
PROTOCOL	IP	1 BYTE	23	27	31	35
SOURCE PORT	TCP/ UDP	2 BYTES	34	38	42	46
DESTINATION PORT	TCP/ UDP	2 BYTES	36	40	44	48
TCP CONTROL FLAGS (FOR ALIGNING ON BYTE BOUNDARY 2 BITS OF RESERVED BITS PRECEDING THIS FIELD IS INCLUDED)	TCP	1 BYTE	47	51	55	59
DATA AT OFFSET 1	NA	8 BYTES	DATA OFFSET1 FROM START OF IP/IPX HEADER	DATA OFFSET1 FROM START OF IP/IPX HEADER	DATA OFFSET1 FROM START OF IP/IPX HEADER	DATA OFFSET1 FROM START OF IP/IPX HEADER
DATA AT OFFSET 2	NA	8 BYTES	DATA OFFSET2 FROM START OF IP/IPX HEADER	DATA OFFSET2 FROM START OF IP/IPX HEADER	DATA OFFSET2 FROM START OF IP/IPX HEADER	DATA OFFSET2 FROM START OF IP/IPX HEADER
DATA AT OFFSET 3	NA	8 BYTES	DATA OFFSET3 FROM START OF IP/IPX HEADER	DATA OFFSET3 FROM START OF IP/IPX HEADER	DATA OFFSET3 FROM START OF IP/IPX HEADER	DATA OFFSET3 FROM START OF IP/IPX HEADER
DATA AT OFFSET 4	NA	8 BYTES	DATA OFFSET4 FROM START OF IP/IPX HEADER	DATA OFFSET4 FROM START OF IP/IPX HEADER	DATA OFFSET4 FROM START OF IP/IPX HEADER	DATA OFFSET4 FROM START OF IP/IPX HEADER

00000000000000000000000000000000

Fig.21a

FILTER MASK FORMAT:

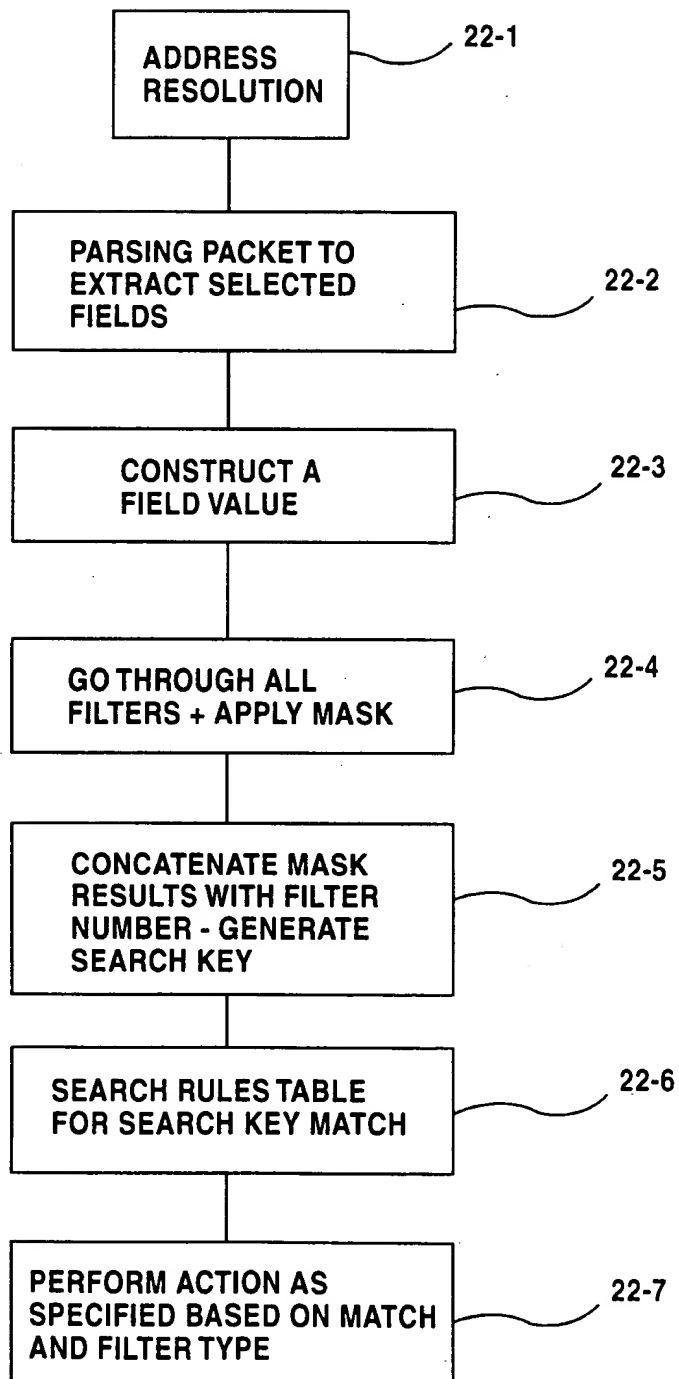
FILTER ENABLE (1b)	COUNTER (5b)	Rem PORT (1b)	OUTPUT MOD (5b)	OUTPUT PORT (6b)	TOS Prec (3b)	Diff Serv (6b)	802.1p PRIOR (3b)	
NMA ENB (1b)	NO MATCH ACTION (10b)	DATA OFFSET 4 (7b)	DATA OFFSET 3 (7b)	DATA OFFSET 2 (7b)	DATA OFFSET 1 (7b)	INGRESS PORT MASK (6b)	EGRESS MOD ID MASK (5b)	EGRESS PORT MASK (6b)
FIELD MASK								

Fig.21b

FIELD MASK FORMAT:

DEST MAC ADDR (6B)	SRC MAC ADDR (6B)	PROT TYPE (2B)	DEST SAP (1B)	SRC SAP (1B)	802.1 p PRIO (3b)	VLAN ID (12b)	TOS PREC (3b)	DIFF SERV (6b)	SRC IP ADDR (4B)	DEST IP ADDR (4B)	PROT IP (1B)	SRC PORT (2B)	DEST PORT (2B)
TCP CNTR FLAGS (1B)		DATA 1 (8B)		DATA 2 (8 B)		DATA 3 (8B)		DATA 4 (8B)					

Fig.22



09709532-11300

Fig.24

30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0
SOURCE IP ADDRESS															
MULTICAST IP ADDRESS															
r	L3 PORT BITMAP														
L3 MODULE BITMAP															
UNUSED										TTL THRESHOLD		SOURCE PORT			

00000000 11111111 22222222 33333333 44444444 55555555 66666666 77777777 88888888 99999999

Fig.25

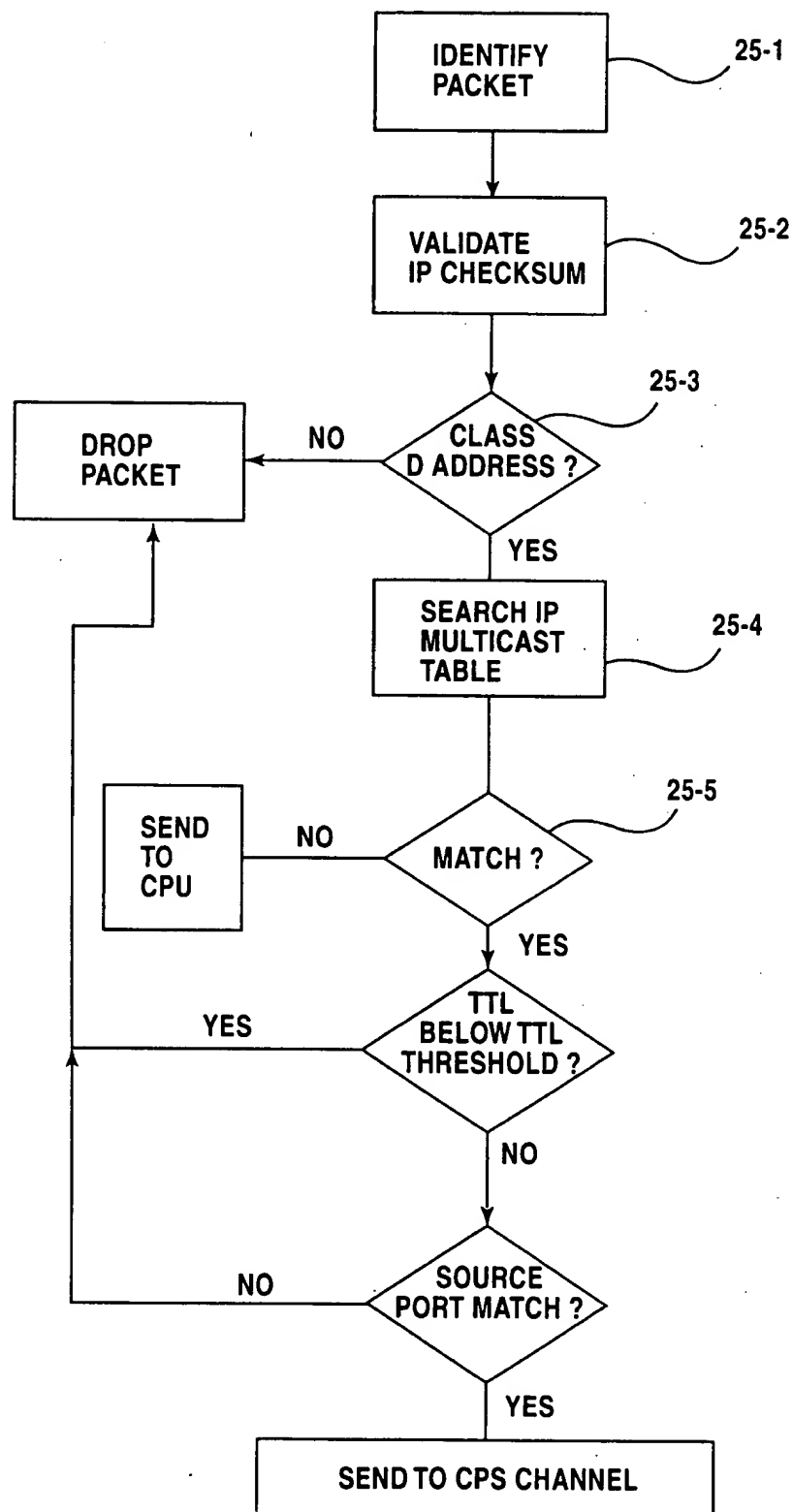


Fig.26

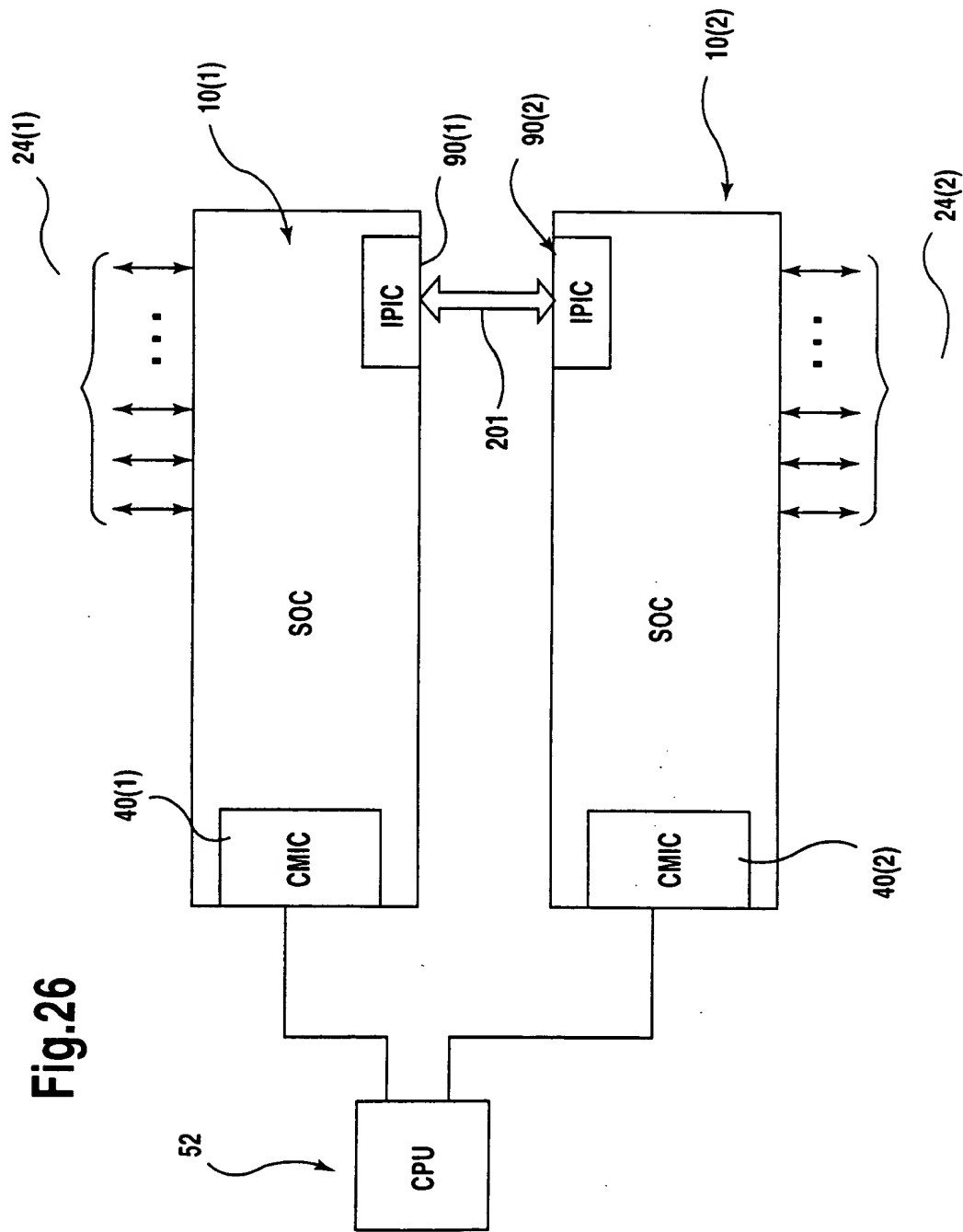


Fig.27a

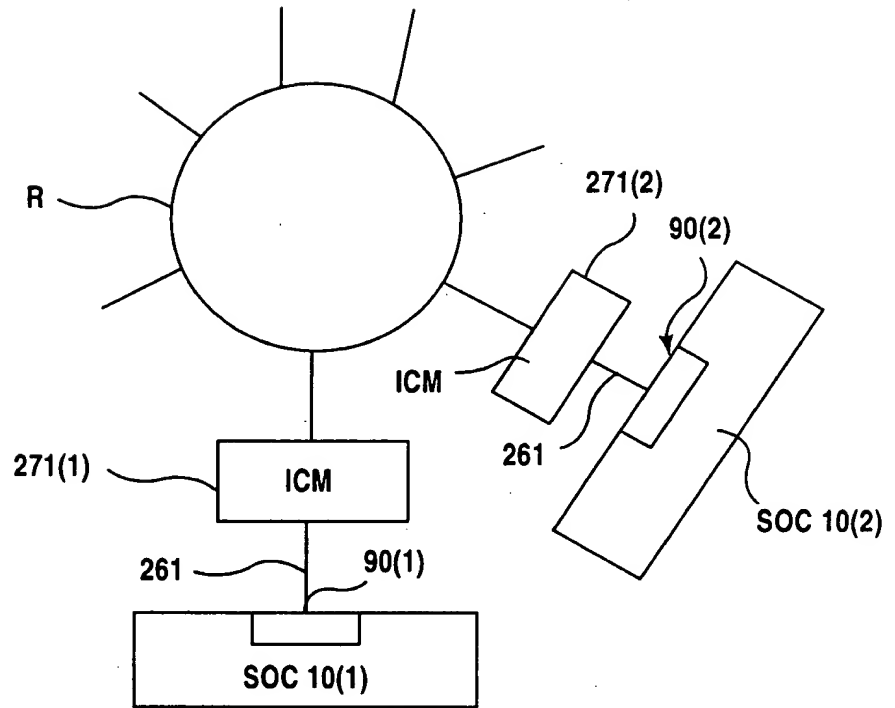


Fig.27b

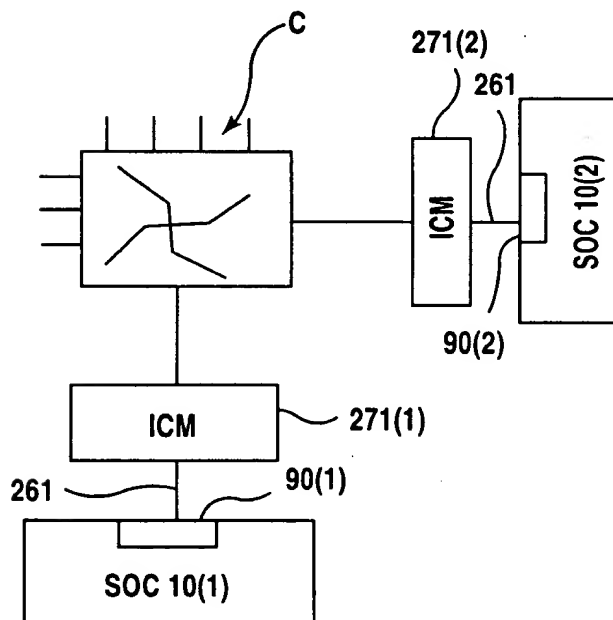


Fig.28

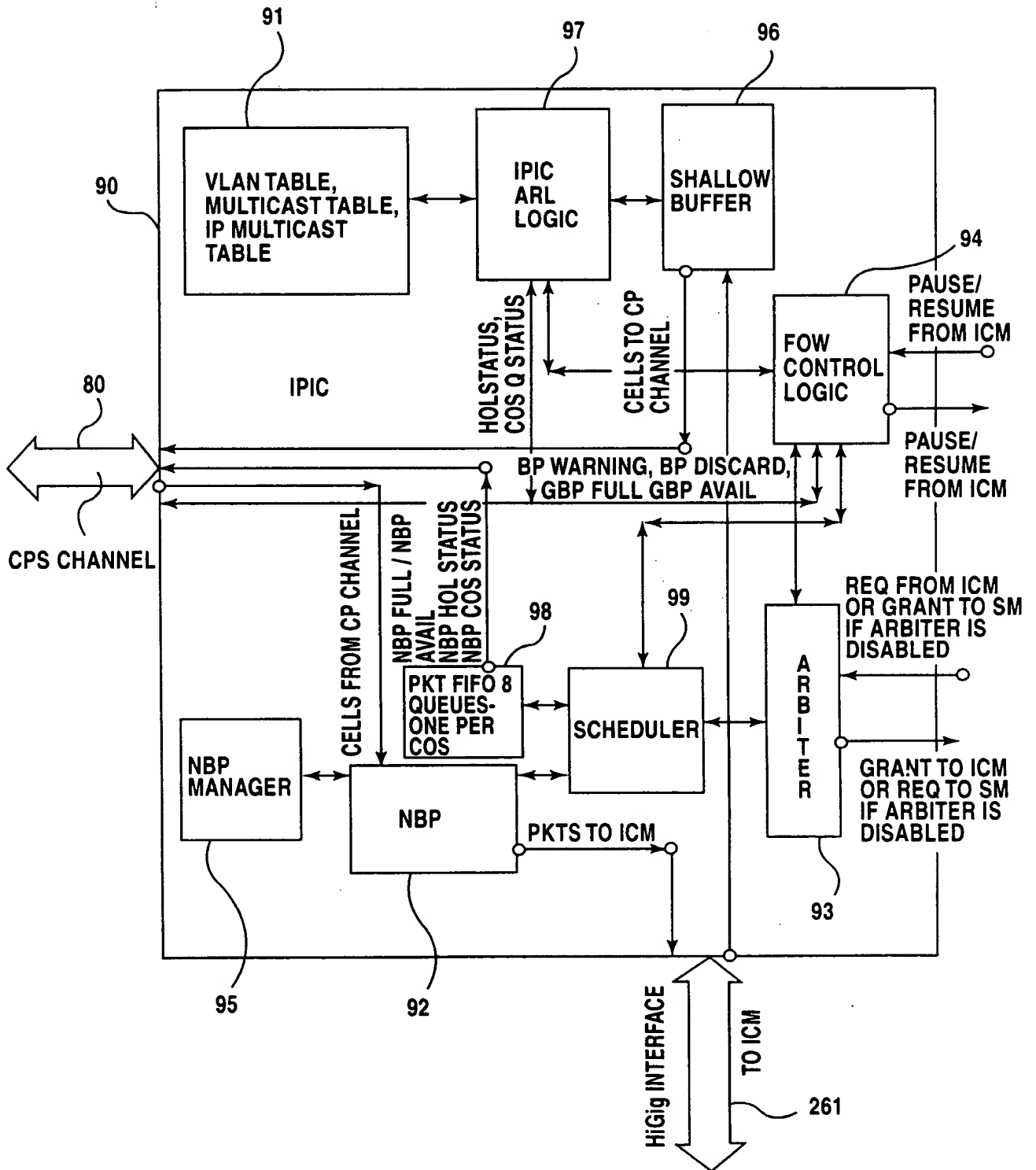


Fig.29

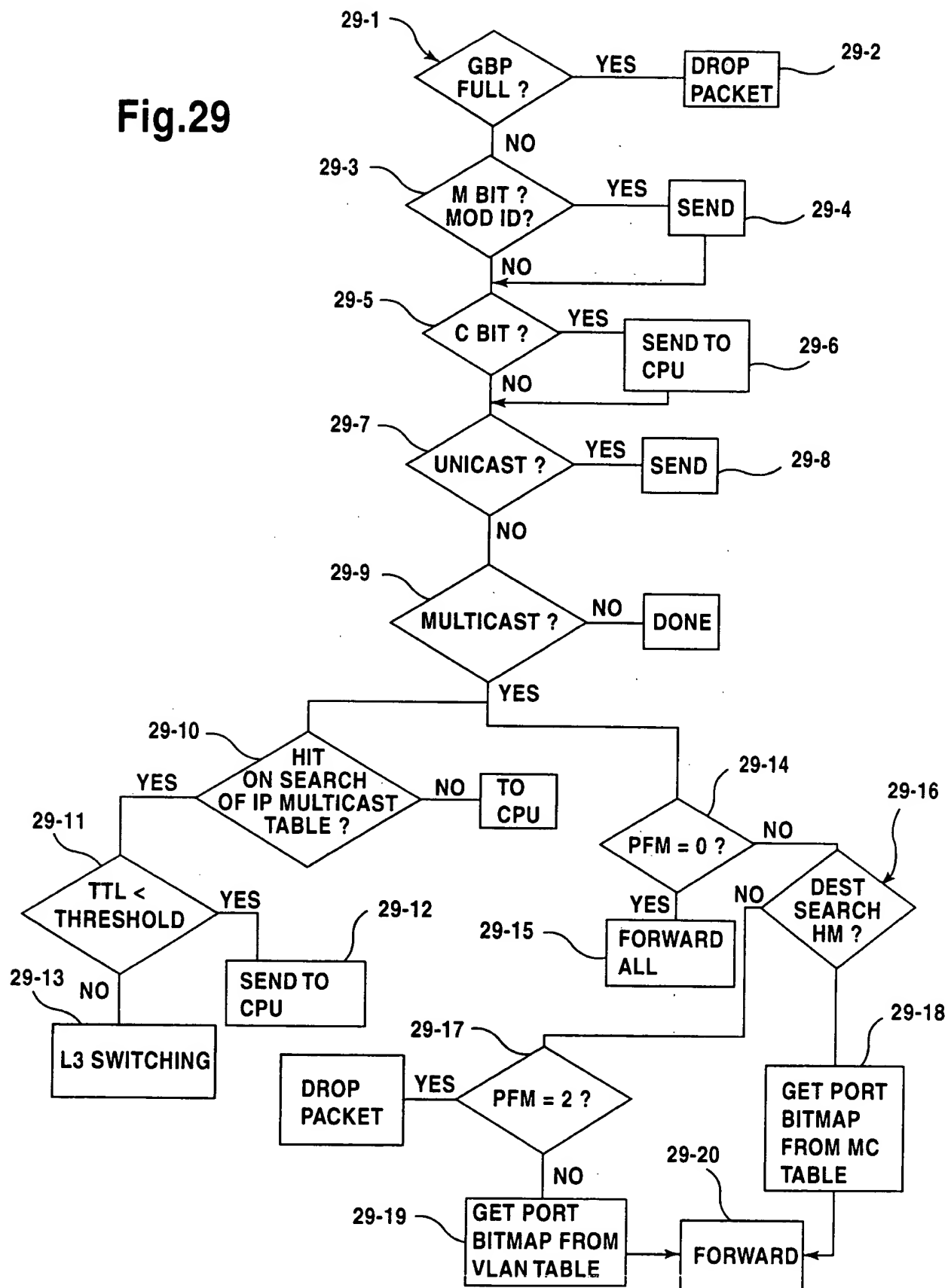
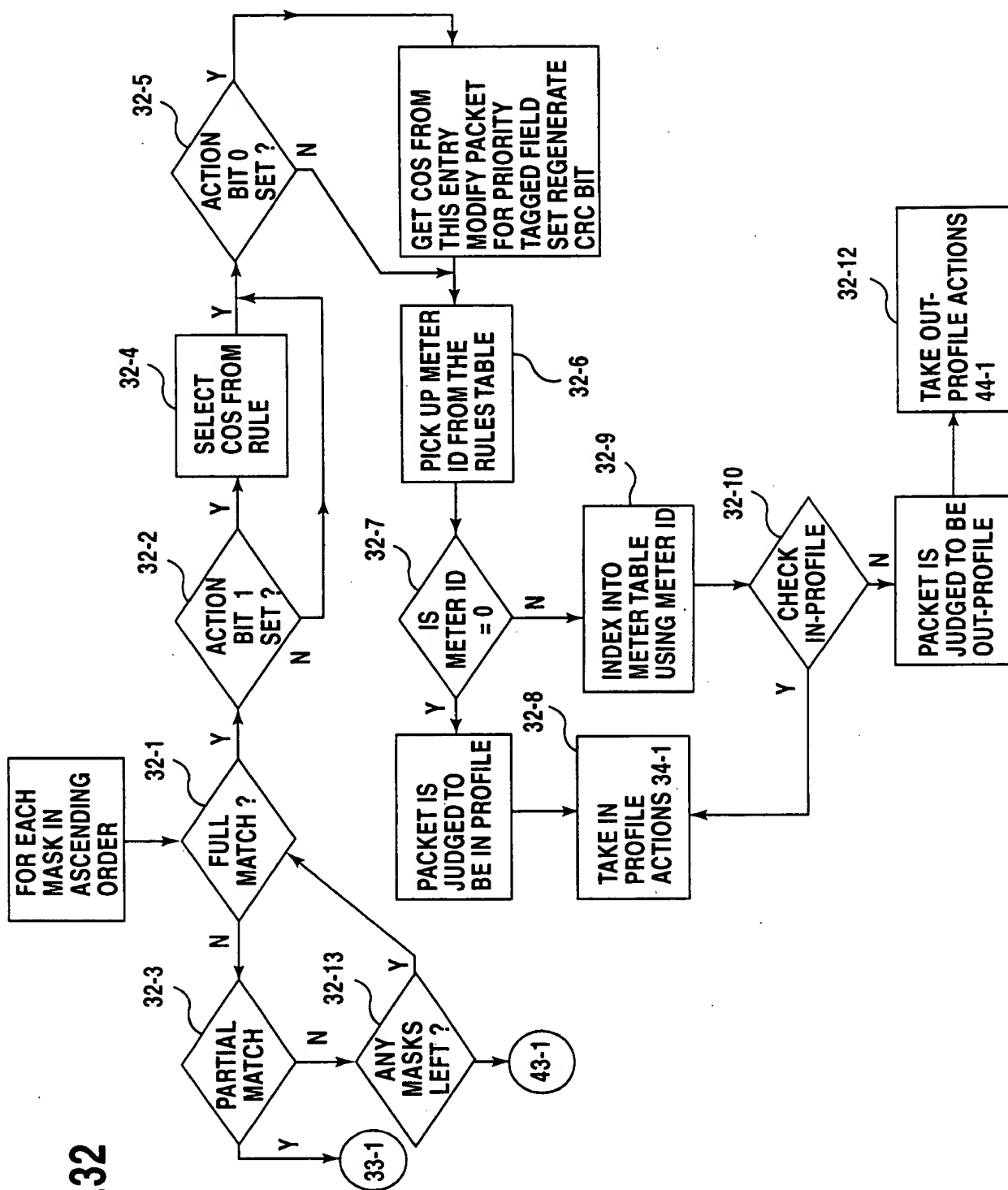


Table 1

Year	1970-1979	1980-1989	1990-1999	2000-2009	Total
Number of cases	10,611	10,611	10,611	10,611	42,444
Percentage of total cases	24.5%	24.5%	24.5%	24.5%	100%

COS QUEUE (3b)	C P F	NCA (2b)	802.1p PRIORITY (3b)	RATE COUNTER (8b)	RATE COUNTER THRESHOLD (8b)	RATE DISCARD THRESHOLD ID (8b)	NEW CODE POINT (6b)	NEW COS QUEUE (3b)	NEW 802.1 PRIORITY (3b)
----------------------	-------------	-------------	----------------------------	-------------------------	--------------------------------------	---	------------------------------	-----------------------------	----------------------------------

OFFSET FIELD	OFFSET 1	OFFSET 2	OFFSET 3	OFFSET 4
000	0-15	16-31	32-47	48-63
001	8-23	24-39	40-55	56-71
010	16-31	32-47	48-63	64-79
011	24-39	40-55	56-71	72-87
100	32-47	48-63	64-79	80-95
101	40-55	56-71	72-87	88-103
110	48-63	64-79	80-95	96-111
111	56-71	72-87	88-103	104-119



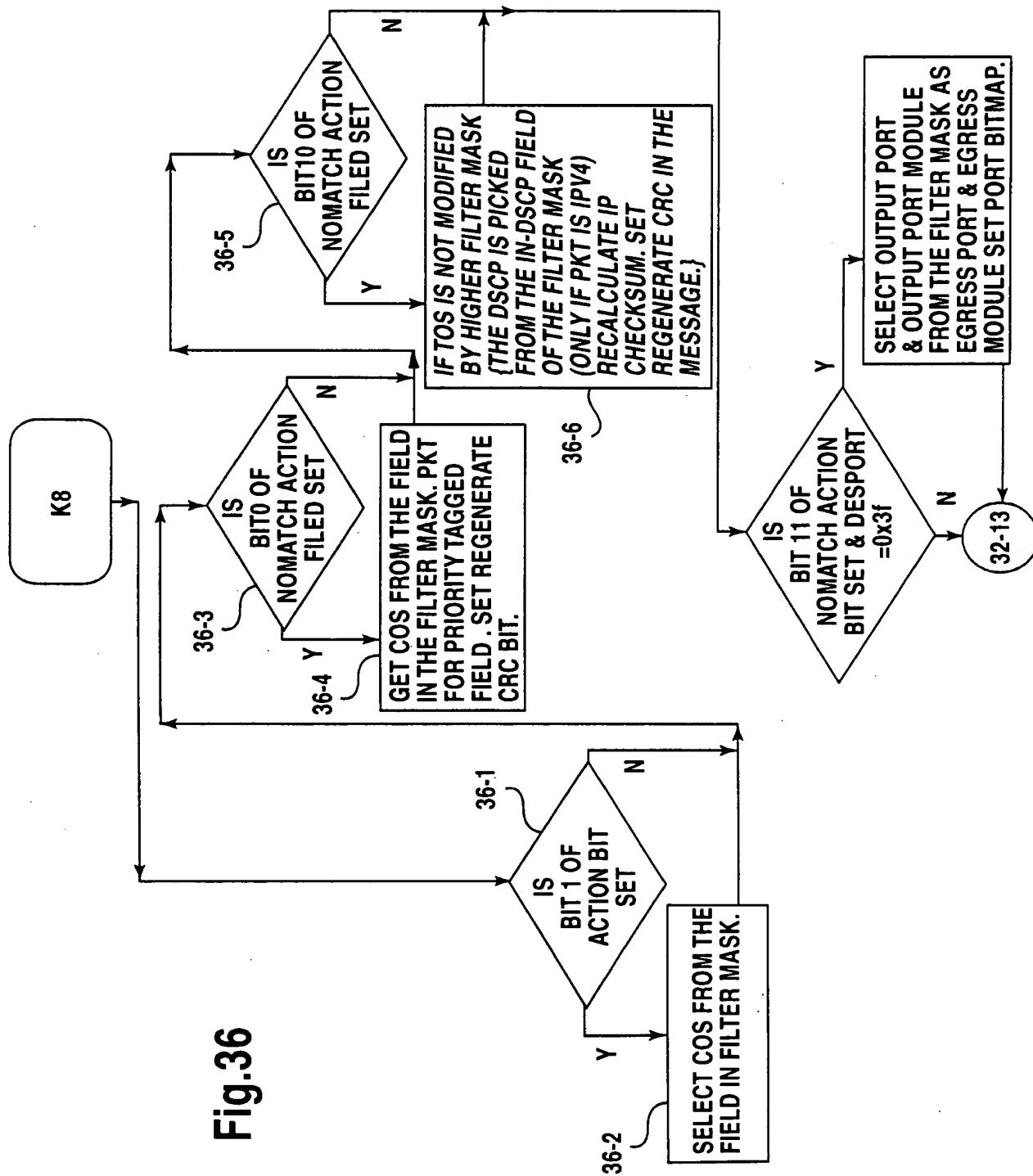


Fig. 37

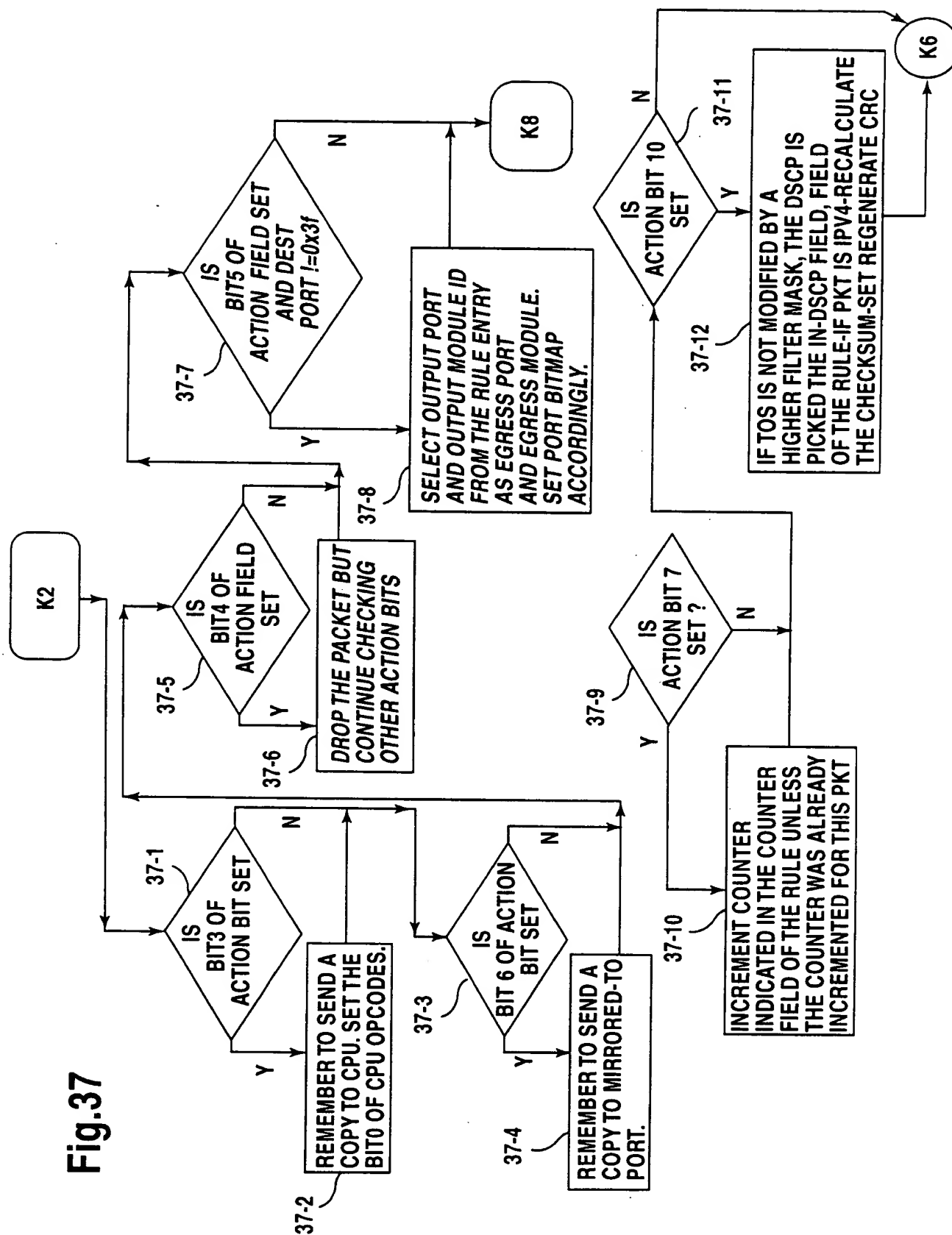


Fig.38

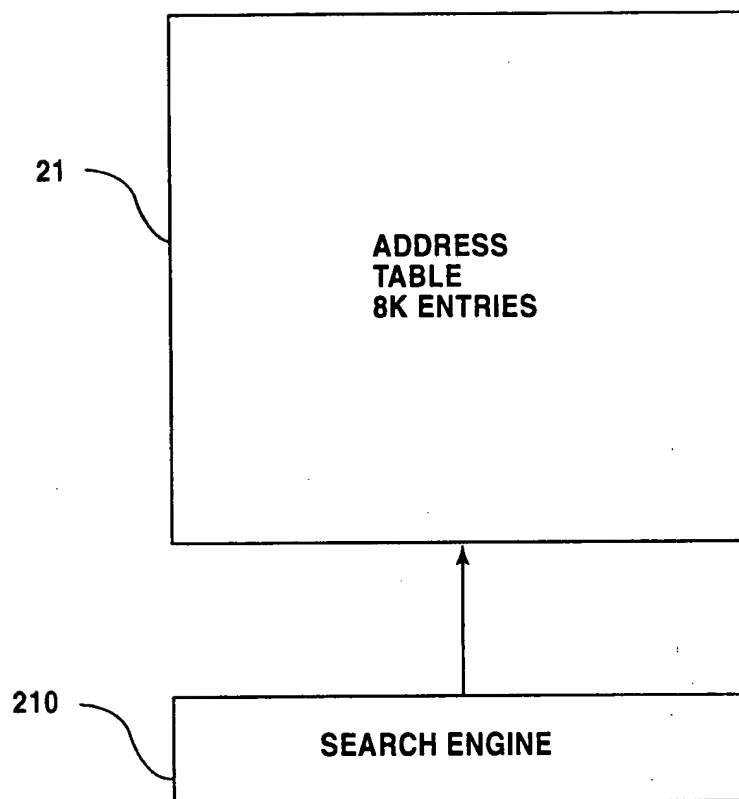


Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG). The subjects were divided into two groups: the control group (CG) and the experimental group (EG). The CG was divided into two subgroups: the control group (CG) and the control group (CG). The EG was divided into two subgroups: the experimental group (EG) and the experimental group (EG).

Fig.39

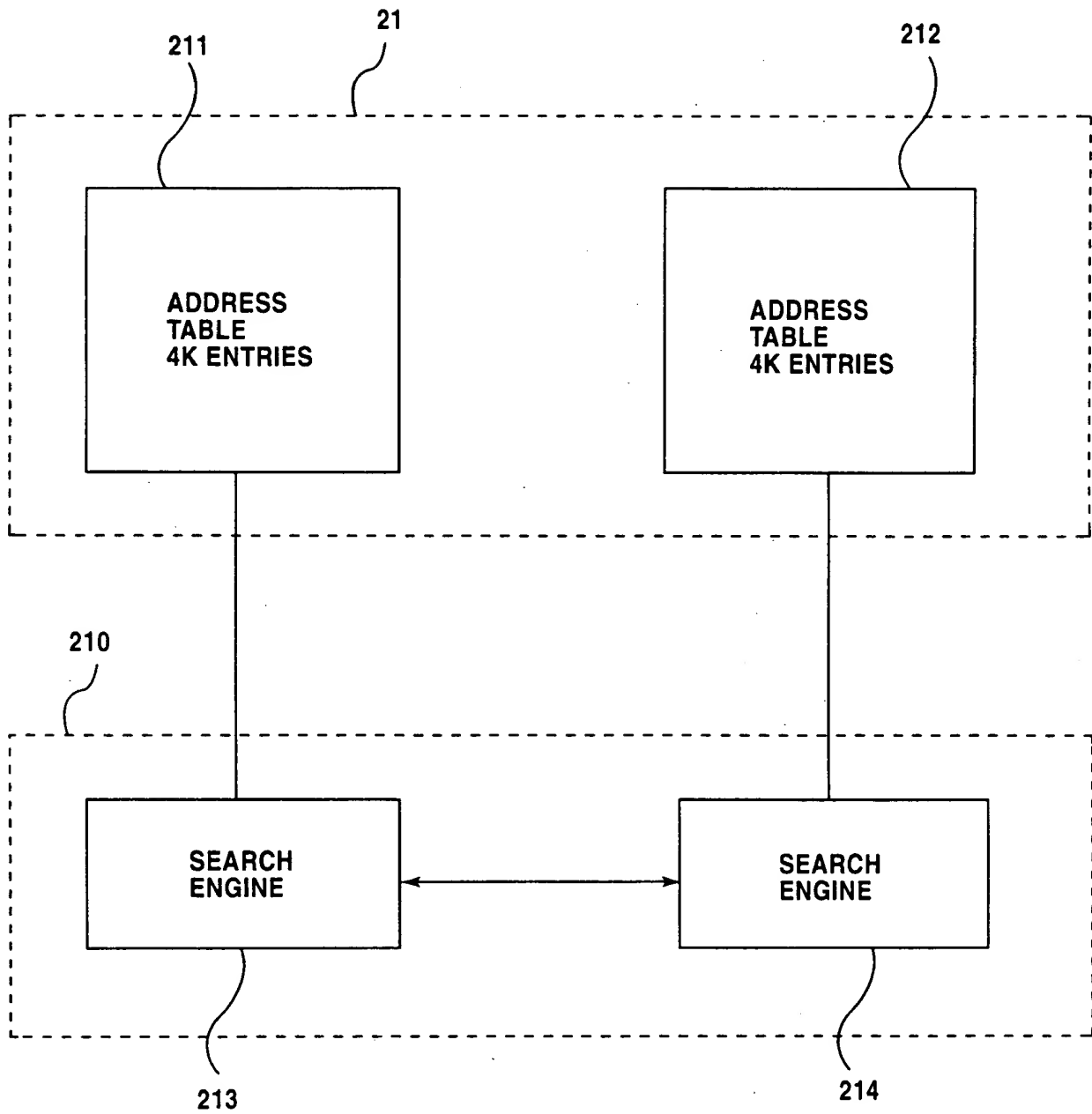


Fig.40a

ADDRESS	ENTRY
31	AF
30	AE
29	AD
28	AC
27	AB
26	AA
25	Z
24	Y
23	X
22	W
21	V
20	U
19	T
18	S
17	R
16	Q
15	P
14	O
13	N
12	M
11	L
10	K
9	J
8	I
7	H
6	G
5	F
4	E
3	D
2	C
1	B
0	A

21

ADDRESS	ENTRY
30	AE
28	AC
26	AA
24	Y
22	W
20	U
18	S
16	Q
14	O
12	M
10	K
8	I
6	G
4	E
2	C
0	A

211

ADDRESS	ENTRY
31	AF
29	AD
27	AB
25	Z
23	X
21	V
19	T
17	R
15	P
13	N
11	L
9	J
7	H
5	F
3	D
1	B

212

21

Fig.40b

00000000 00000000 00000000 00000000

Fig.41a

ADDRESS	ENTRY
31	NN
30	MM
29	LL
28	KK
27	JJ
26	GH
25	CF
24	CC
23	BE
22	BD
21	BC
20	BA
19	AC
18	AB
17	AA
16	Y
15	X
14	V
13	T
12	S
11	R
10	Q
9	N
8	M
7	L
6	K
5	J
4	I
3	H
2	G
1	F
0	E

21

211

212

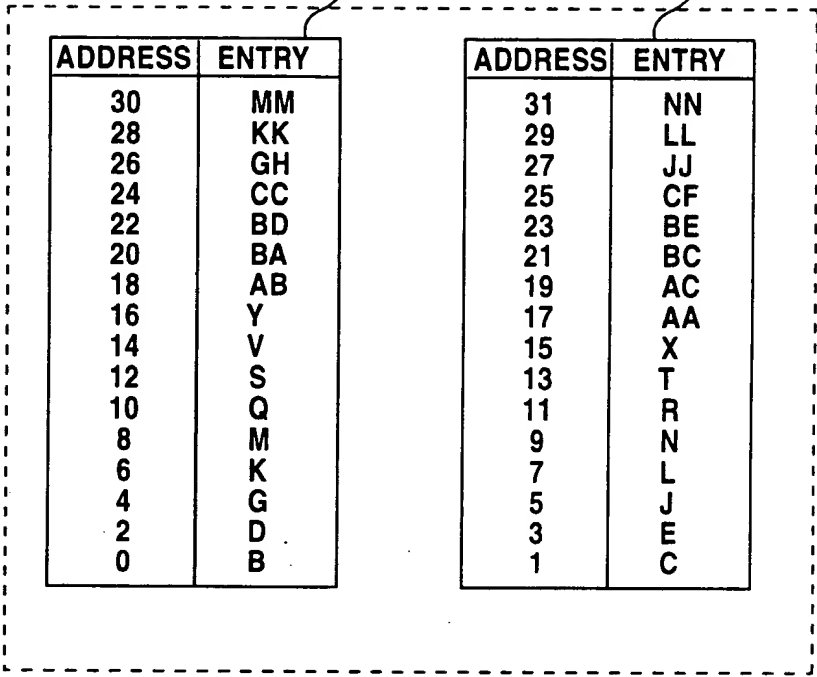


Fig.41b

Fig.42

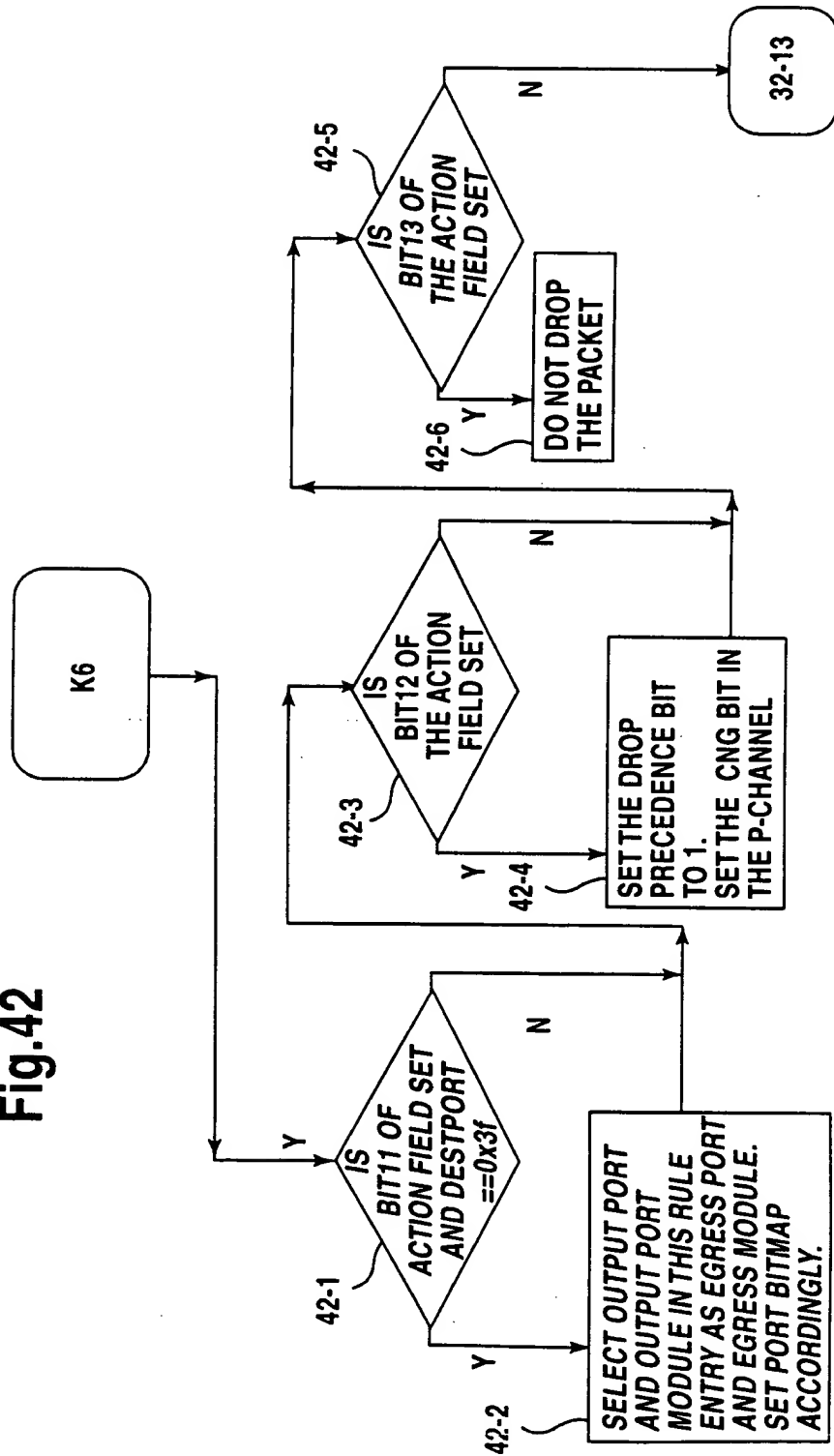


Fig.43

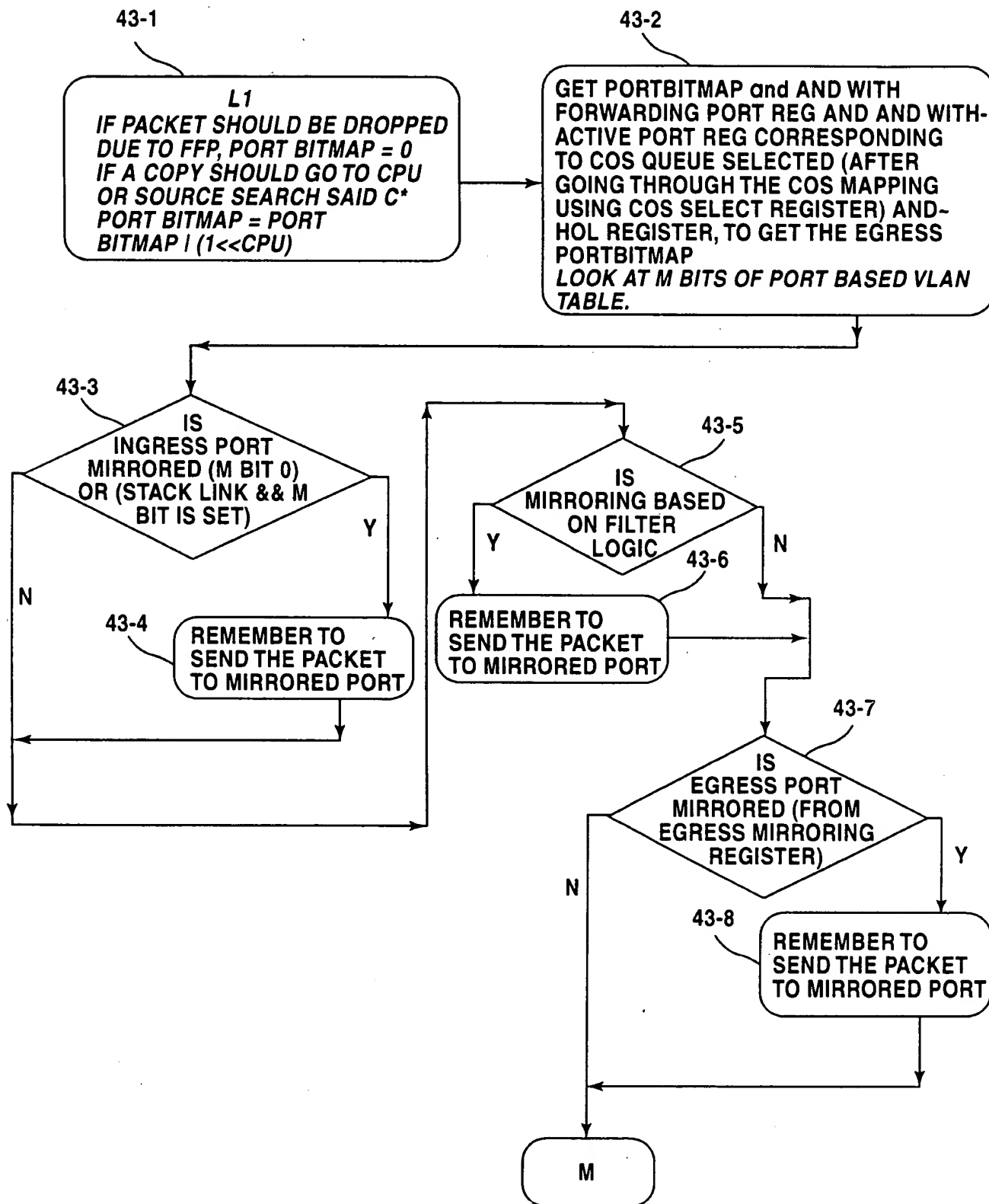


Fig.44

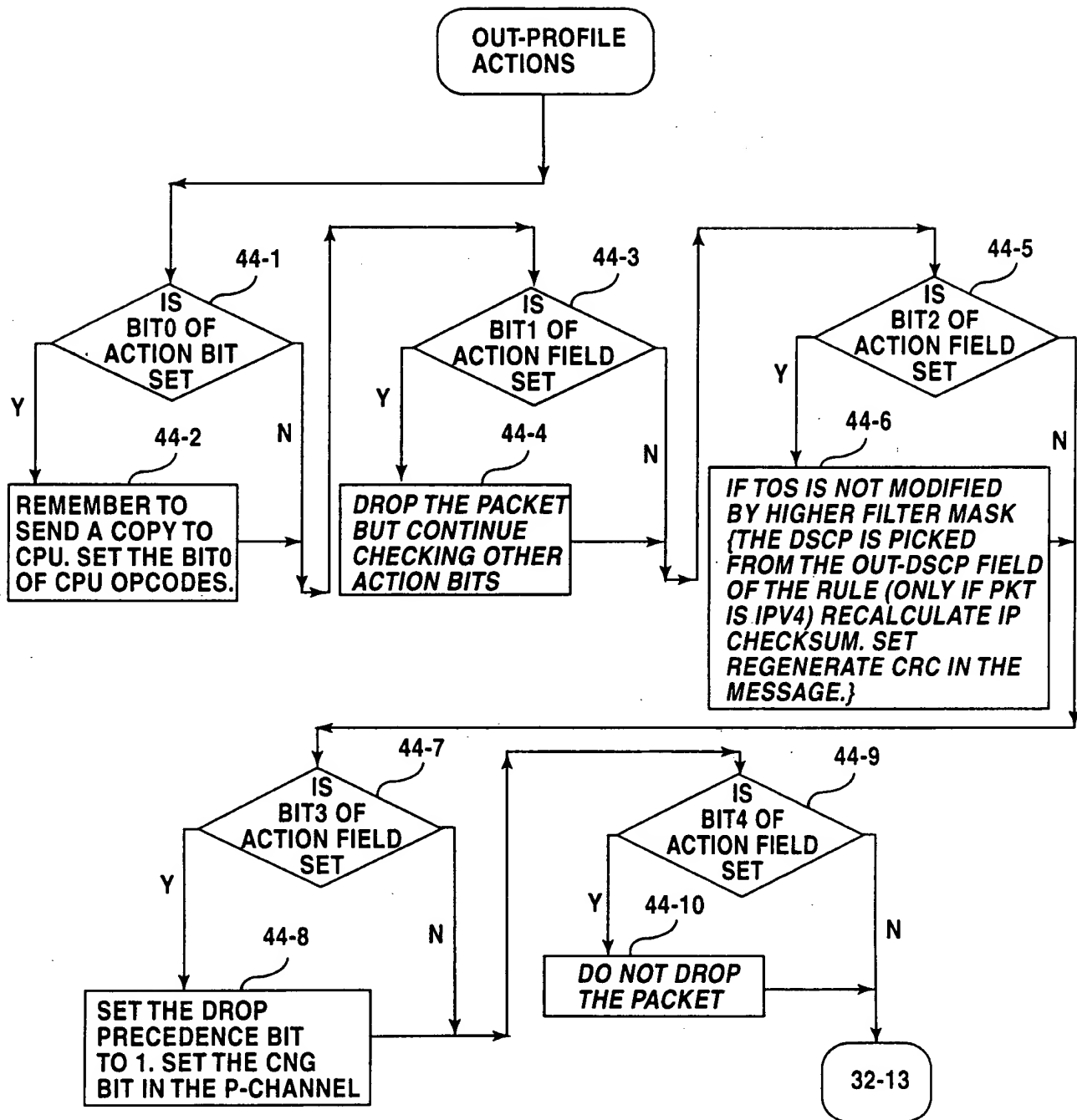
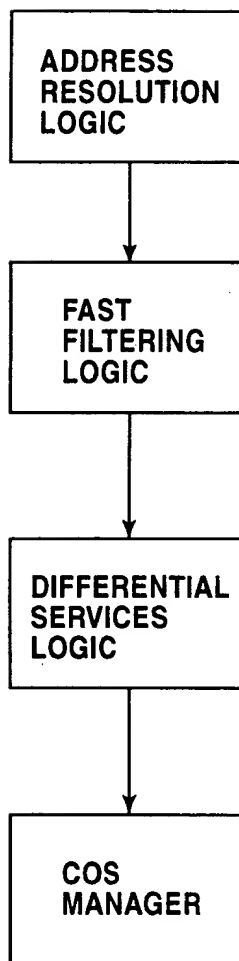


Fig.45



00E111 2E960260

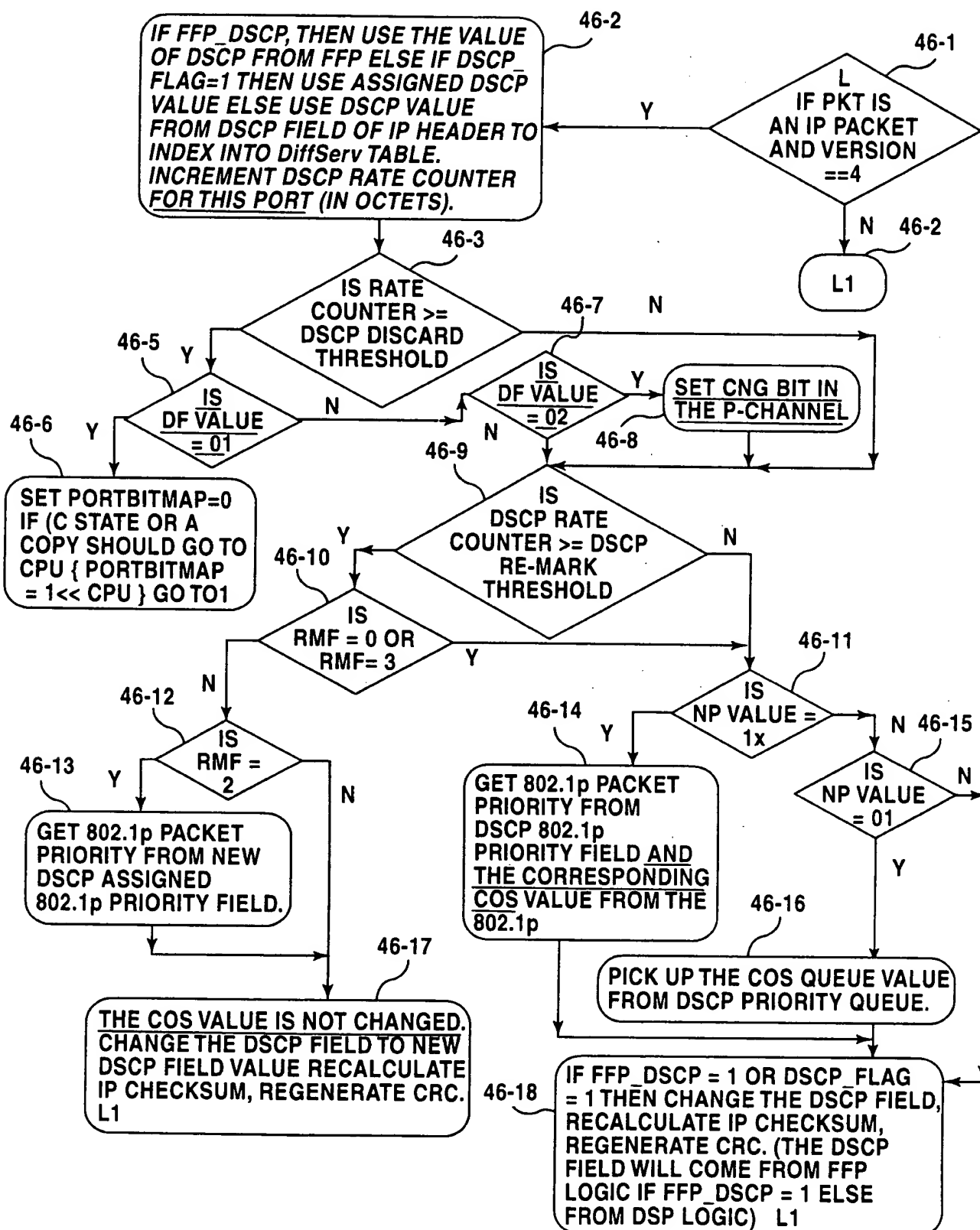
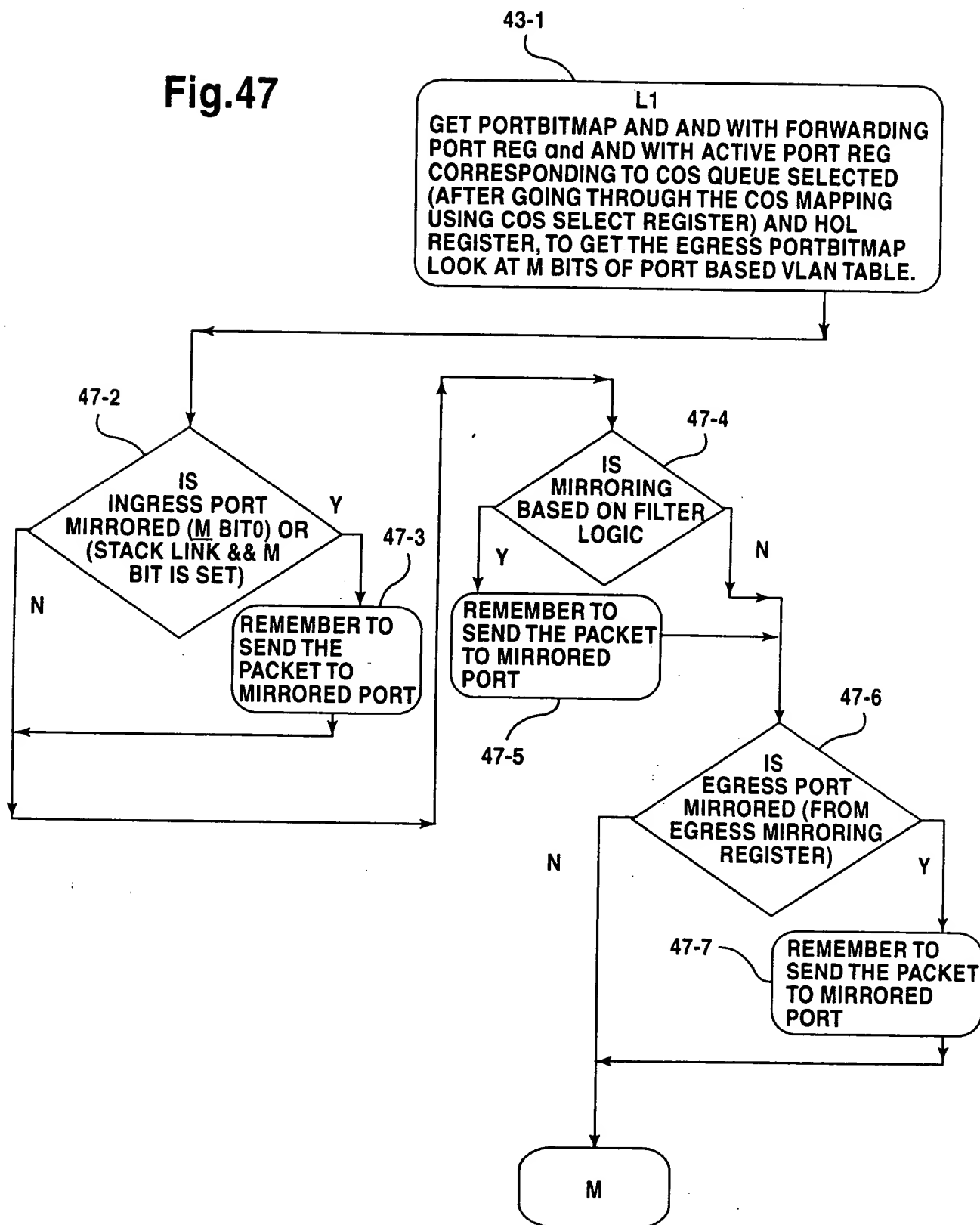
[illegible]

Fig.47



A transmits a packet request (REQ) with an ID = 0

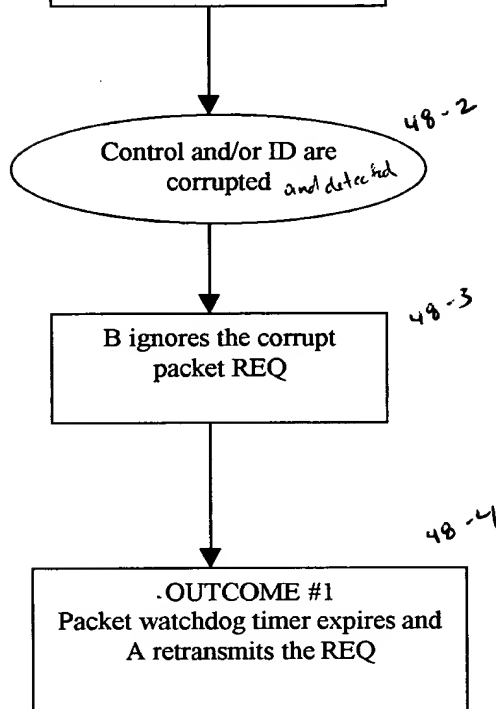


FIGURE 48

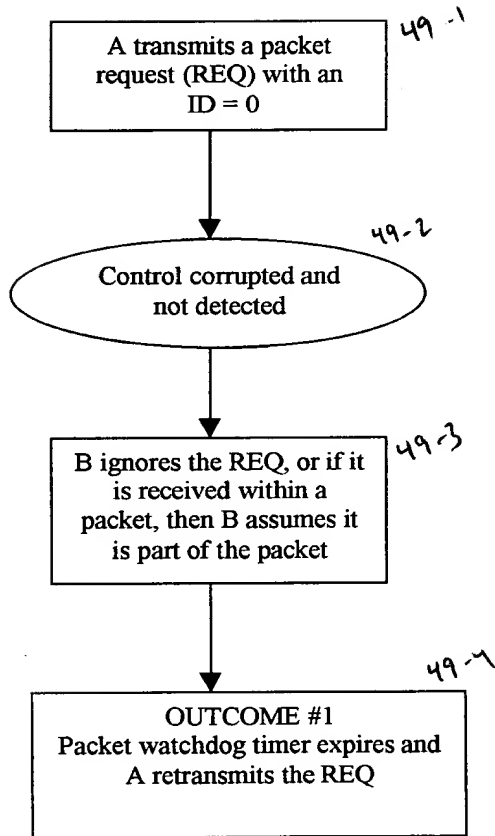


FIGURE 49

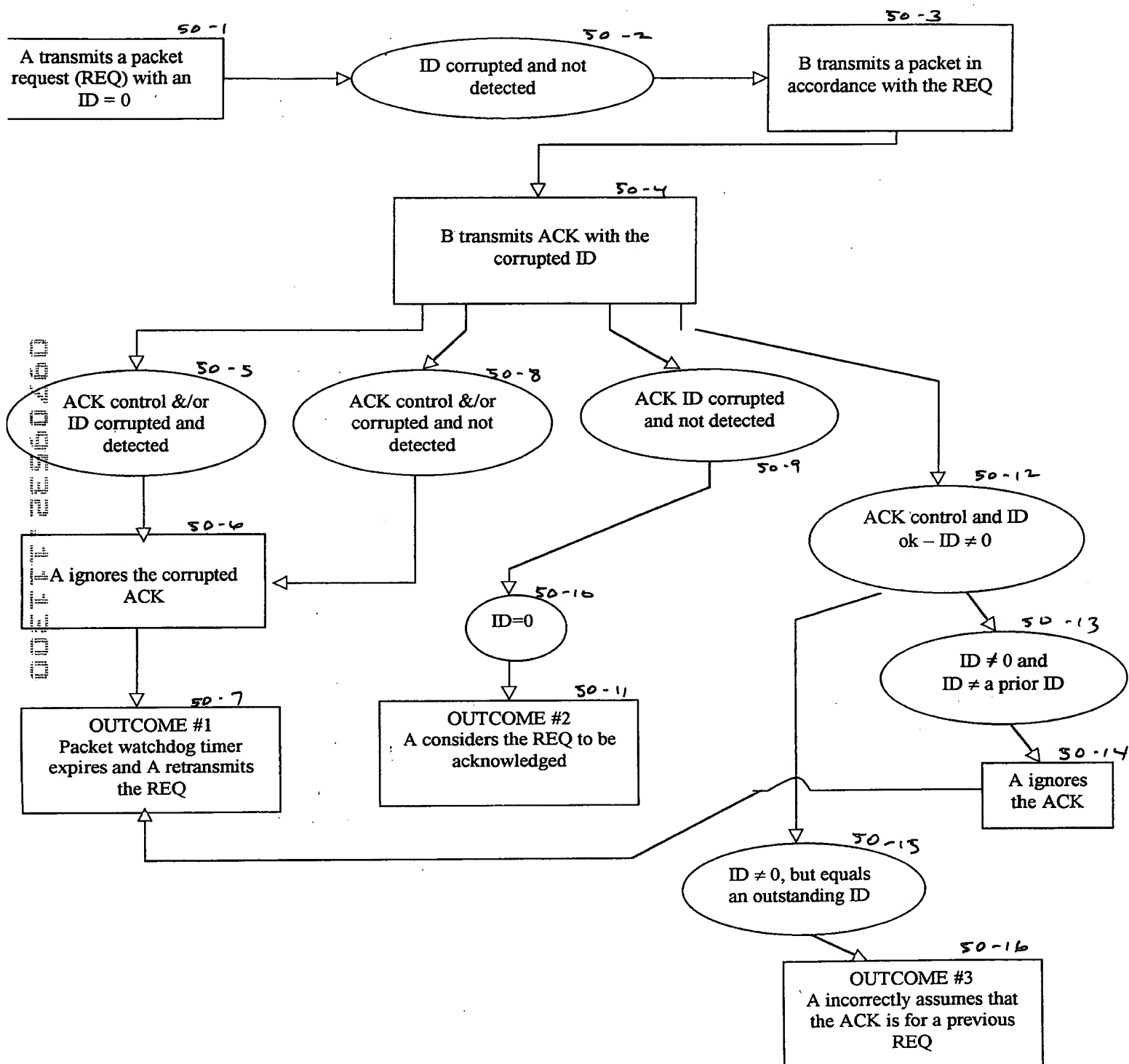


FIGURE 50

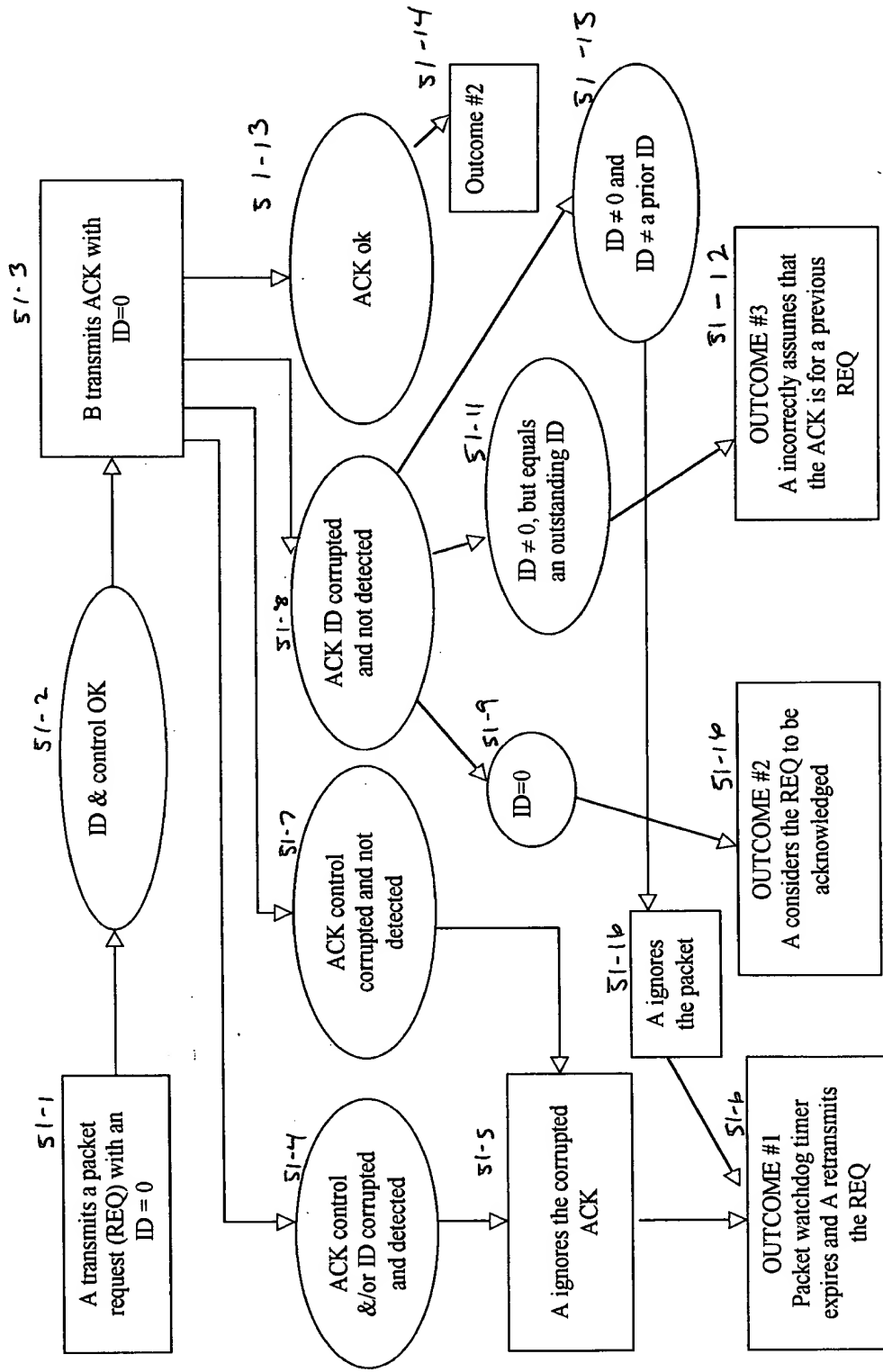


Figure 51